

SITE INFORMATION

Report Type: Closure Report 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



November 22, 2023

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 and remediate 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**. A work plan dated December 6, 2022, was submitted, and approved by the New Mexico Oil Conservation Division (NMOCD). All NMOCD correspondence is shown in **Appendix A**.

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. The release was caused on August 6, 2022, and reported to the NMOCD on August 7, 2022. The C-141 is shown in **Appendix B**.

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) occurred on October 18, 2022, caused 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 B**.

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 C**.

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 C**.

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 C**.

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 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 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 initial 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 runoff. The release footprint is shown on **Figure 3** and the scraped areas and depths are shown on **Figure 4**.

Site Assessment Activities

Initial Release

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 the 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 D**.

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 E**.

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 borehole (BH-11) did not indicate chloride concentrations above the reclamation standard of 600 mg/kg at any depth. 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.

Second Release

Tetra Tech conducted site assessment activities on January 20, 2023, a total of four (4) auger holes (AH-1 through AH-4) were installed to total depths ranging from 1.5 ft bgs to 4.5 ft bgs to attempt to assess and vertically delineate the impacted the area. Soil samples beyond the depths of 1.5 ft bgs were not obtained from auger holes (AH-1 and AH-3) due to dense geological formation. Additionally, a total of seven (7) horizontals (H-12 through H-18) 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 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 2** and the analytical laboratory reports are included in **Appendix E**.

Referring to Table 2, all auger holes (AH-1 through AH-4) indicated TPH and BTEX concentrations below laboratory detection limits. However, auger hole (AH-4) indicated a chloride concentration above RRALs, with a concentration of 694 mg/kg, at a depth of 2.5 ft bgs. The remaining auger holes indicated chloride concentrations below the reclamation standard of 600 mg/kg. The horizontals (H-12 through H-18) indicated TPH, BTEX, and chloride concentrations below the RRALs and reclamation standards. Additionally, vertical and horizontal delineation were found during assessment activities.

Remediation Activities

Tetra Tech and RXSoils conducted the remediation of both the initial and second release, in accordance with the NMOCD approved work plan dated December 6, 2023. Based on the approved work plan, the reclamation standard of 600 mg/kg for chlorides within the top 4.0 ft of soil and the RRAL of 10,000 mg/kg for chlorides for the soil beyond the top 4.0 ft of soil was followed at the site. Following excavation of the impacted soils, 5-point composite confirmation bottom hole and sidewall samples were collected every 500 square feet, as approved, within the excavation to ensure proper removal of impact. Additionally, based on the NMOCD approved work plan, RXSoils treated all impacted soil within the proposed treatment cells, and treated soil was sampled every 150 cubic yards to ensure the chloride concentrations within the treated soil were below the reclamation standard of 600 mg/kg. Following analytical results that indicated all chloride concentrations below the reclamation standard, the soil was used as backfill.

Excavation

Tetra Tech and RXSoils conducted remediation and confirmation soil sampling activities from May 30, 2023 through September 27, 2023, of both the initial and second release areas. The areas of impact were remediated to depths ranging from 3.0 ft bgs to 6.0 ft bgs. The remediation areas and depths are shown on **Figure 6A through Figure 6E**.

Following remediation activities, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 500 square feet within the remediation. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of the sidewalls and floor of the excavation are collected. A total of two hundred thirty-three (233) bottom holes (BH-1 through BH-230, BH-227A, BH-228A, and BH-229A) were collected and a total of fifty-nine (59) sidewalls (SW-1 through SW-59) were collected to confirm full removal of impacted soil. Bottom holes (BH-227A through BH-229A) was mistakenly named the same as previously collected bottom hole samples (BH-227 through BH-229). Due to this mistake, the letter "A" has been added to the sample ID on the table and figure to clarify sample identities. The bottom holes (BH-227 through BH-229) were collected on August 10, 2023, and the sample results are shown on lab report (Eurofins 880-31956-1), shown in **Appendix E**. The bottom holes (BH-227A through BH-229A) were collected on August 18, 2023, and the sample results are shown on lab report (Cardinal H234518), shown in **Appendix E**. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico and Eurofins Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0 and EPA Method 4500. The



analytical results are summarized in **Table 3** and the analytical laboratory reports are included in **Appendix E**.

Regarding all final samples collected from the remediation, analytical results indicated benzene, BTEX, TPH, and chloride concentrations were below the RRALs, with the exception of sidewall (SW-35).

Deferral

Solaris requests a deferral of the area of sidewall (SW-35) due to the location of the sidewall not being able to be extended due to risking the integrity of the pond and causing safety concerns. Additionally, to prevent additional migration, RXSoils installed a 20-mil liner in this area, along the wall, approximately 4.0 ft tall and 80.0 ft in length. The sidewall (SW-35) will be remediated further once the pond is deconstructed and reclaimed.

Soil Treatment

The impacted soil was placed in treatment cells that were built and operated by RXSoil, Inc. (RXSoil). Each cell, which were constructed above ground with clean native surrounding material and placed near the areas of impact, and fully lined with a 30 mil textured liner, treated approximately 5,000 cubic yards of soil at a time. Once the cell contains the impacted soils for treatment, a delivery system, which is installed just below the surface of the impacted soil within the cell, delivers treatment which is engineered and delivered at a determined rate based from the determined lithology. The treatment consisting of freshwater, amendments, and treatment solution to remove the chlorides in the soil. An integrated sump basin design was powered by submersible pumps to remove and recycle the chlorides directly back into the Bronco Revelation Pond. The total estimated amount of soil that was treated was approximately 26,414 cubic yards. Additionally, the RXSoil Technical Brief detailing the processes and work completed, is included in **Appendix F**.

Following treatment, composite sampling at different depths, ranging from surface to 4.0 ft bgs of the treatment cell, were collected every 150 cubic yards as approved in the submitted work plan. Additionally, as approved in the submitted work plan and based on the laboratory data collected during site assessment activities, which did not show any TPH or BTEX concentrations of concern, the composite samples collected from the treated soil were only analyzed for Chloride by EPA Method 300.0, to ensure the treated soil was below the reclamation standards of 600 mg/kg. Additionally, Tetra Tech collected duplicates of 15%-20% of the RXSoil confirmation samples collected, to ensure data was accurate and complete. Once samples were collected and reported to be below the reclamation standards, the soil was removed from the treatment cells and used as backfill. The analytical results are summarized in **Table 4**, and the analytical laboratory reports for the backfill composite soil samples are included in **Appendix G**. The leachate from treatment activities was recycled directly back into the Bronco Revelation Pond. Once all soil was treated and used as backfill, the cells were deconstructed and dispersed throughout the backfill, and the infrastructure was disposed of properly. The treatment cells and RXSoil infrastructure are shown on **Figure 7**.

Conclusion

Based on the C-141's (nAPP2221974411 / nAPP2231934031) 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 were followed for soil beyond the top 4.0 ft of soil. Additionally, the site followed 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 indicated chloride concentrations in boreholes (BH-1 through BH-10, and BH-12 through BH-18) exceeded reclamation standards in the top 4.0 ft of soil and required remediation. Additionally, the chloride concentration exceeded the RRALs borehole (BH-9) at the depth of 5.0 ft bgs. The impacted areas, of both the initial and second release, were excavated to depths ranging from 3.0 ft bgs to 6.0 ft bgs, and the excavated soil was treated by RXSoils processes as approved by the NMOCDD in the submitted work plan on December 6, 2023.

Confirmation Sampling Variance

Following excavation of the areas of impact, Tetra Tech conducted confirmation sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples from the excavation to ensure impact was fully removed. Based on the area of the release and the approved work plan, samples were collected on a 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 and EPA Method 4500.

Reseeding Information

Reseeding will be performed in June 2024 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 H**.

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'.

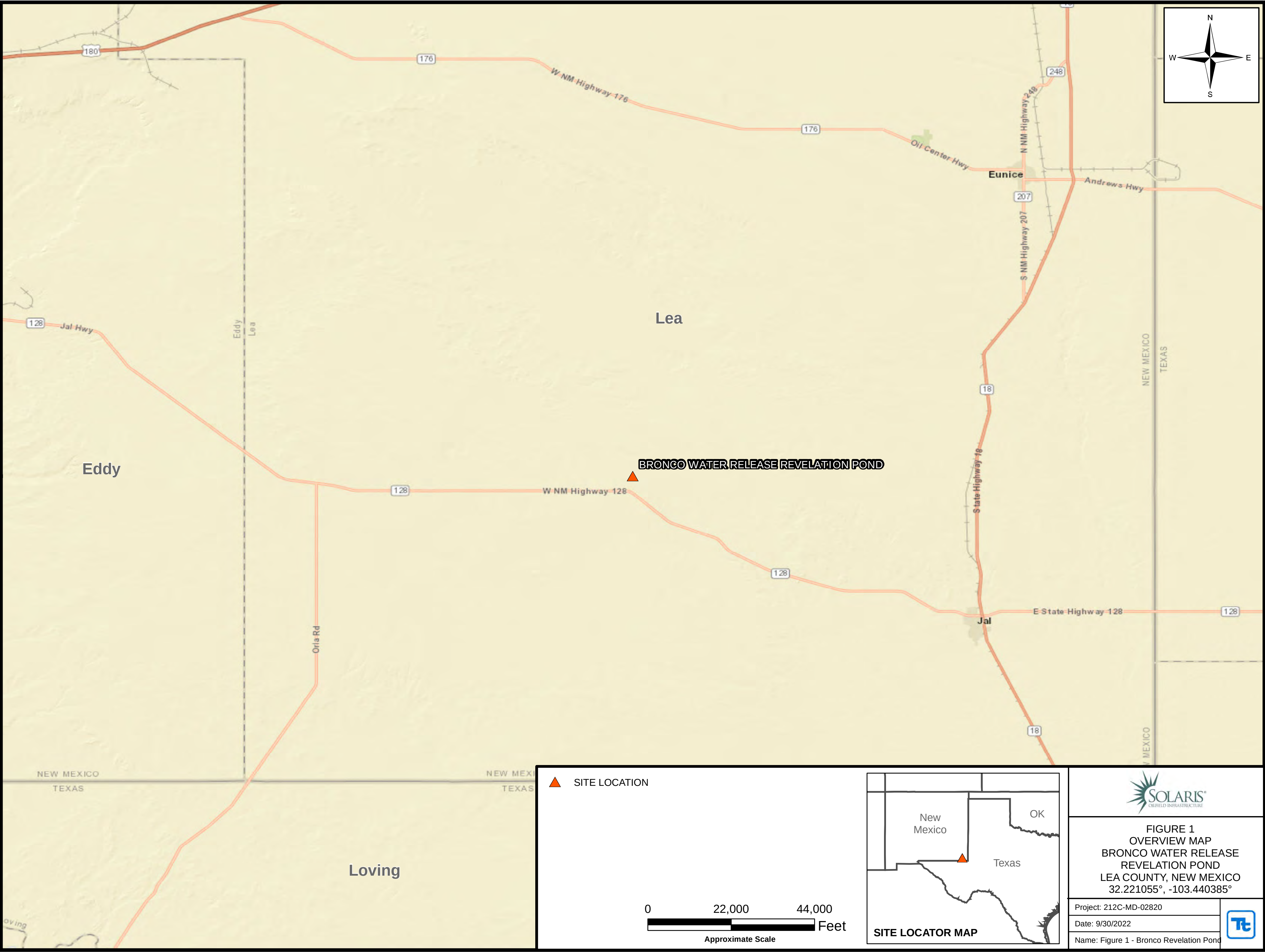
Brittany Long,
Project Manager

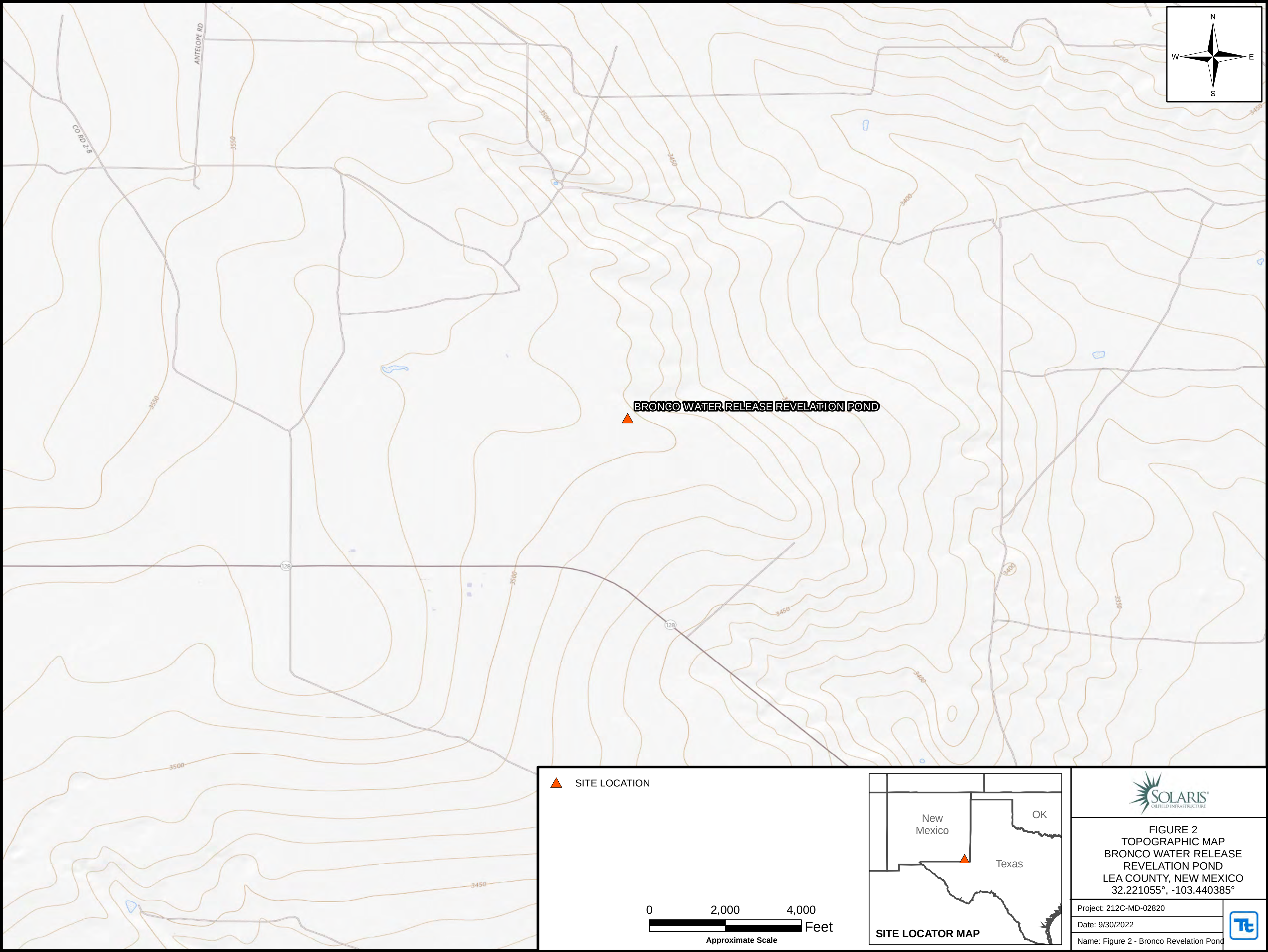
A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

Clair Gonzales, P.G.
Senior Project Manager



Figures





▲ SITE LOCATION

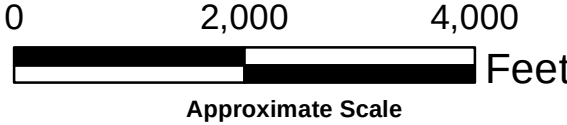
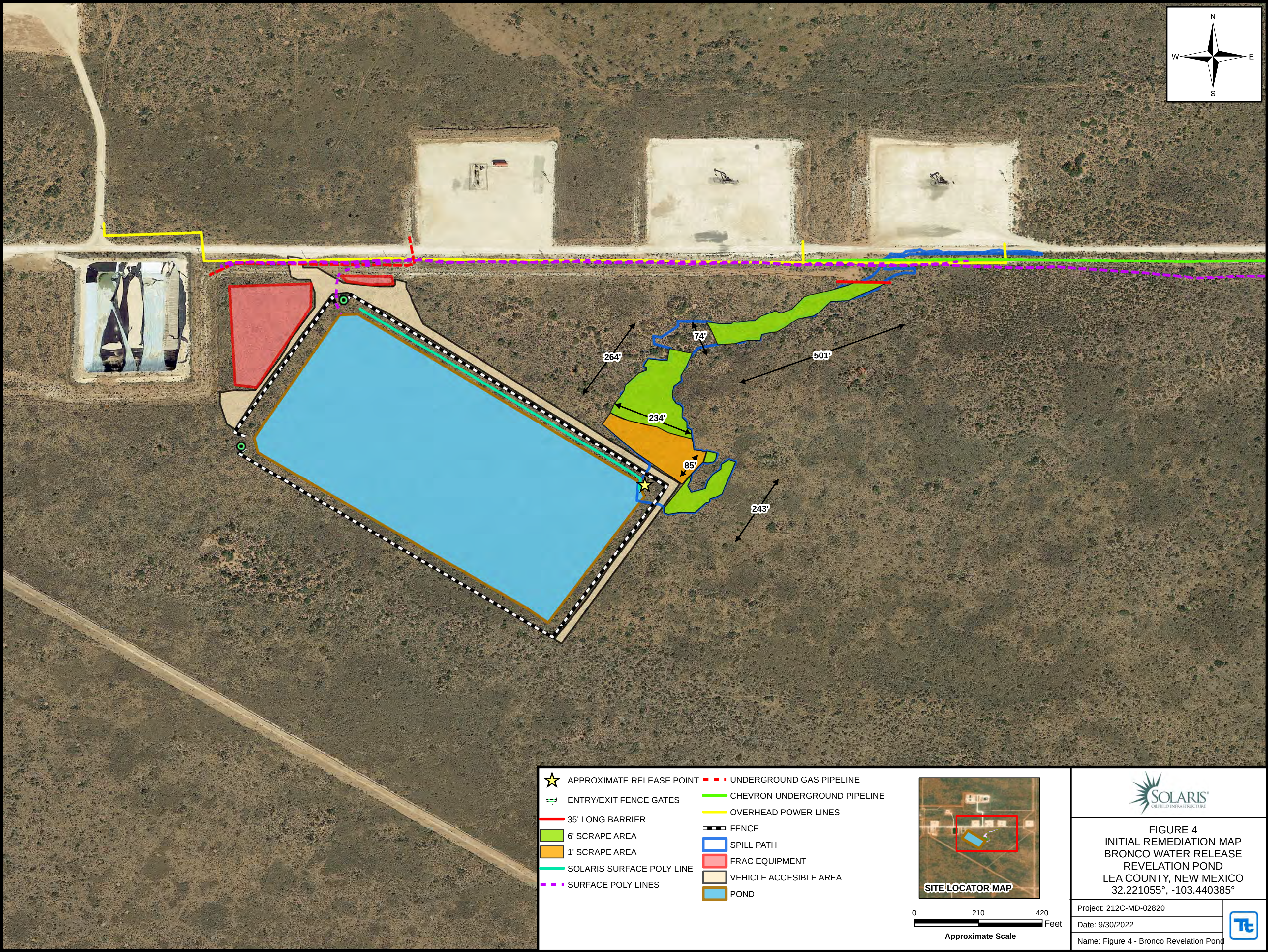


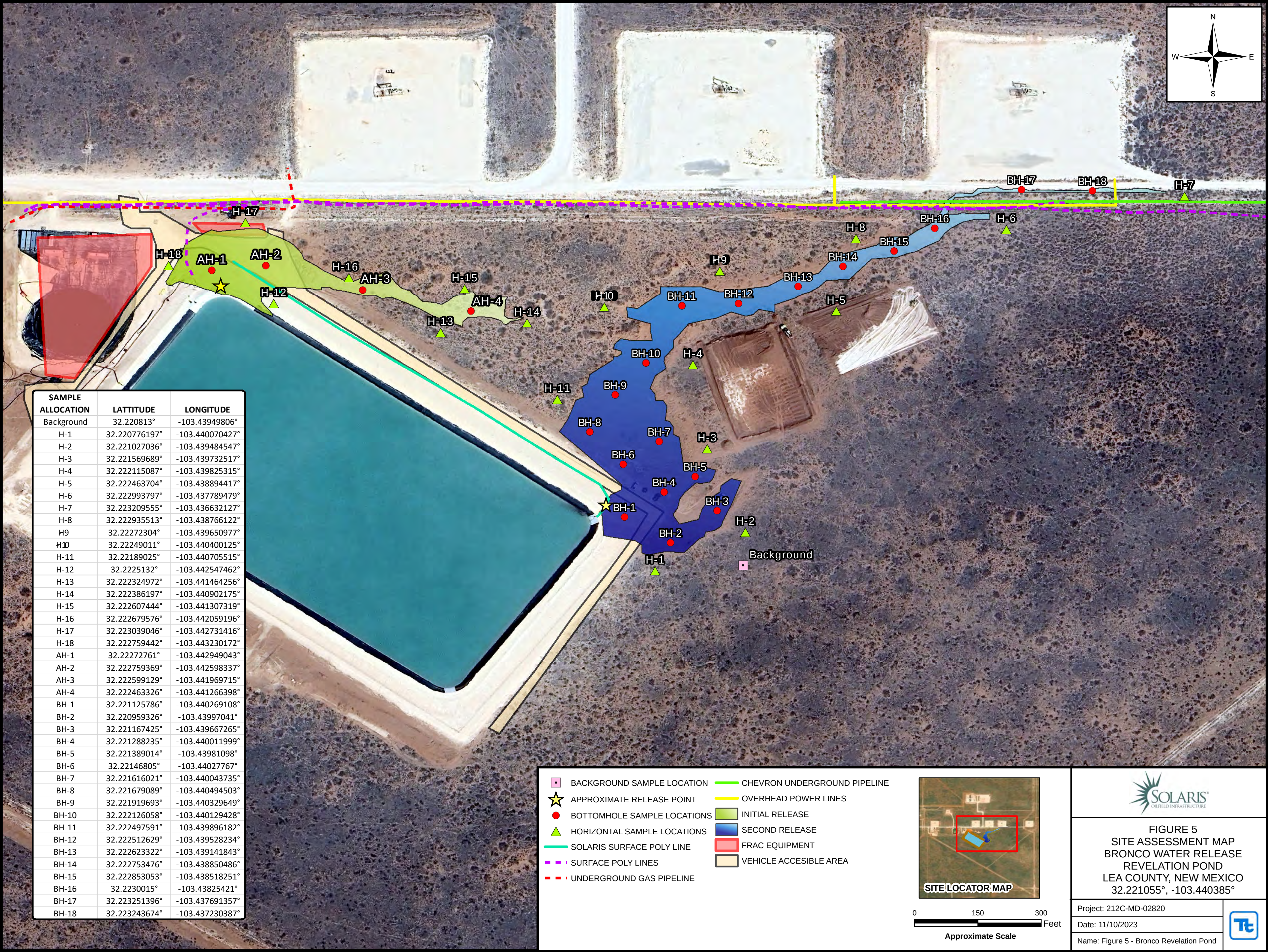
	
FIGURE 2 TOPOGRAPHIC MAP BRONCO WATER RELEASE REVELATION POND LEA COUNTY, NEW MEXICO 32.221055°, -103.440385°	
Project: 212C-MD-02820	
Date: 9/30/2022	
Name: Figure 2 - Bronco Revelation Pond	



Service Layer Credits: Google Maps, 2023. 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

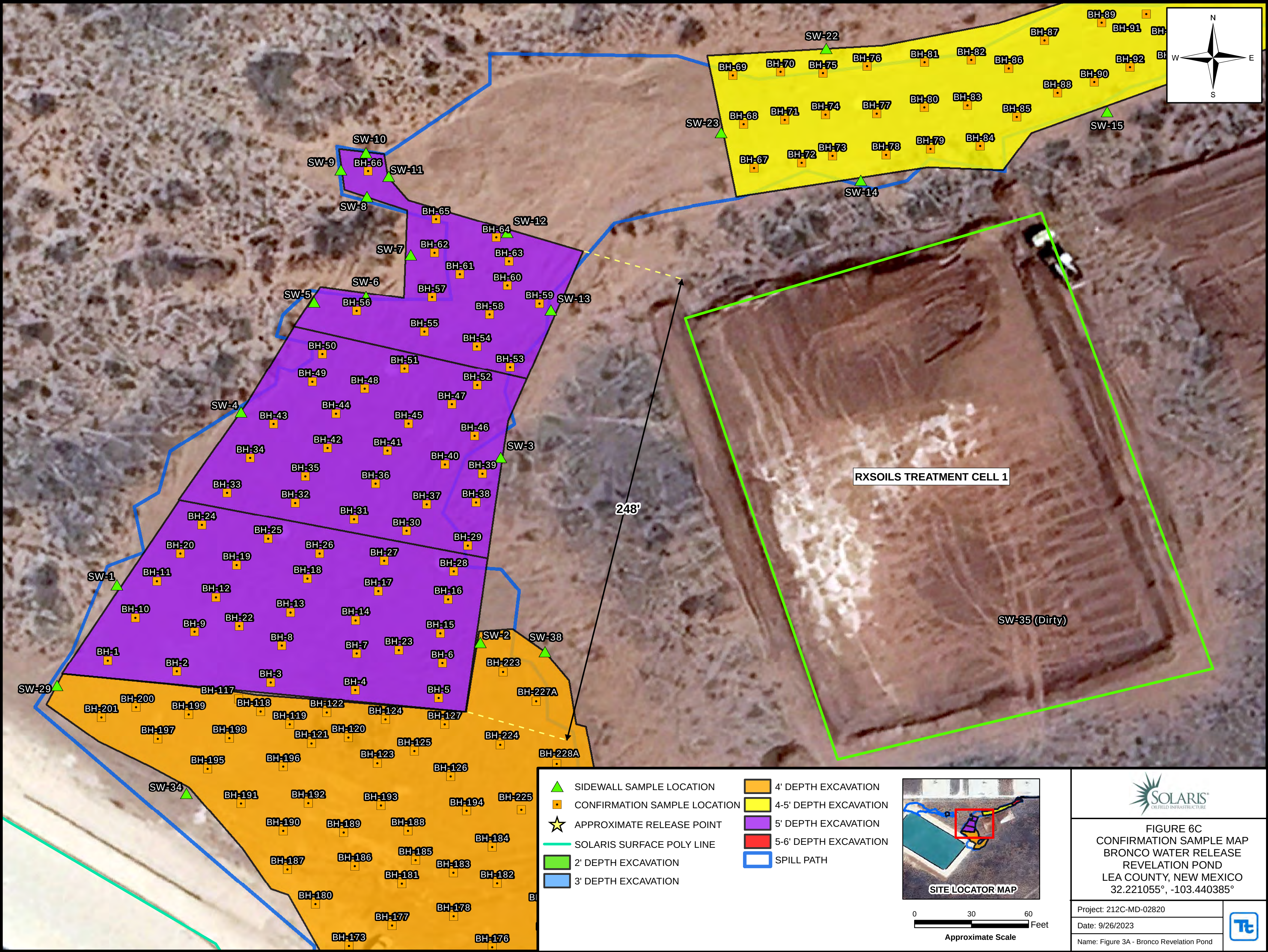


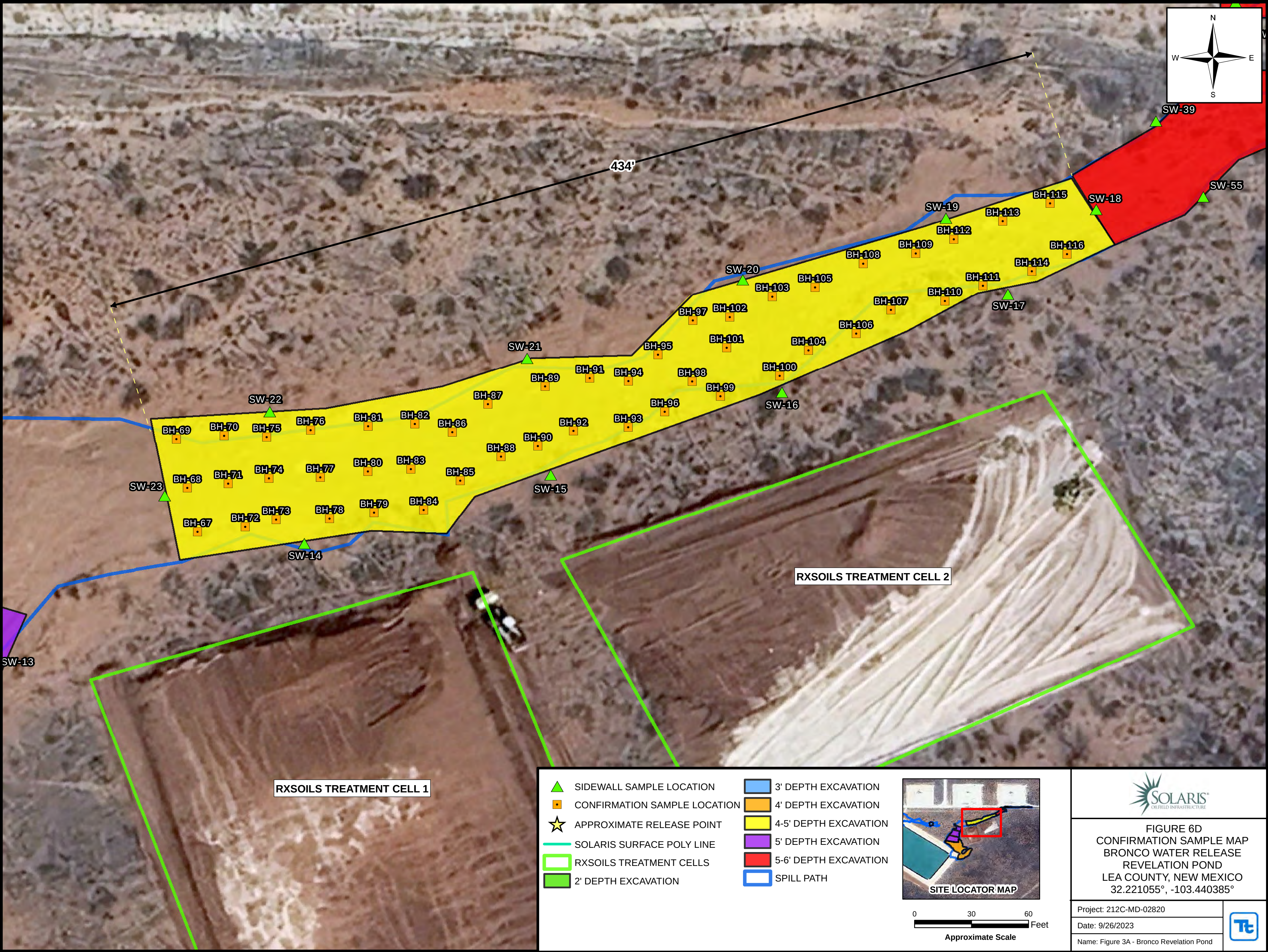
Service Layer Credits: Google Maps, 2023. Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



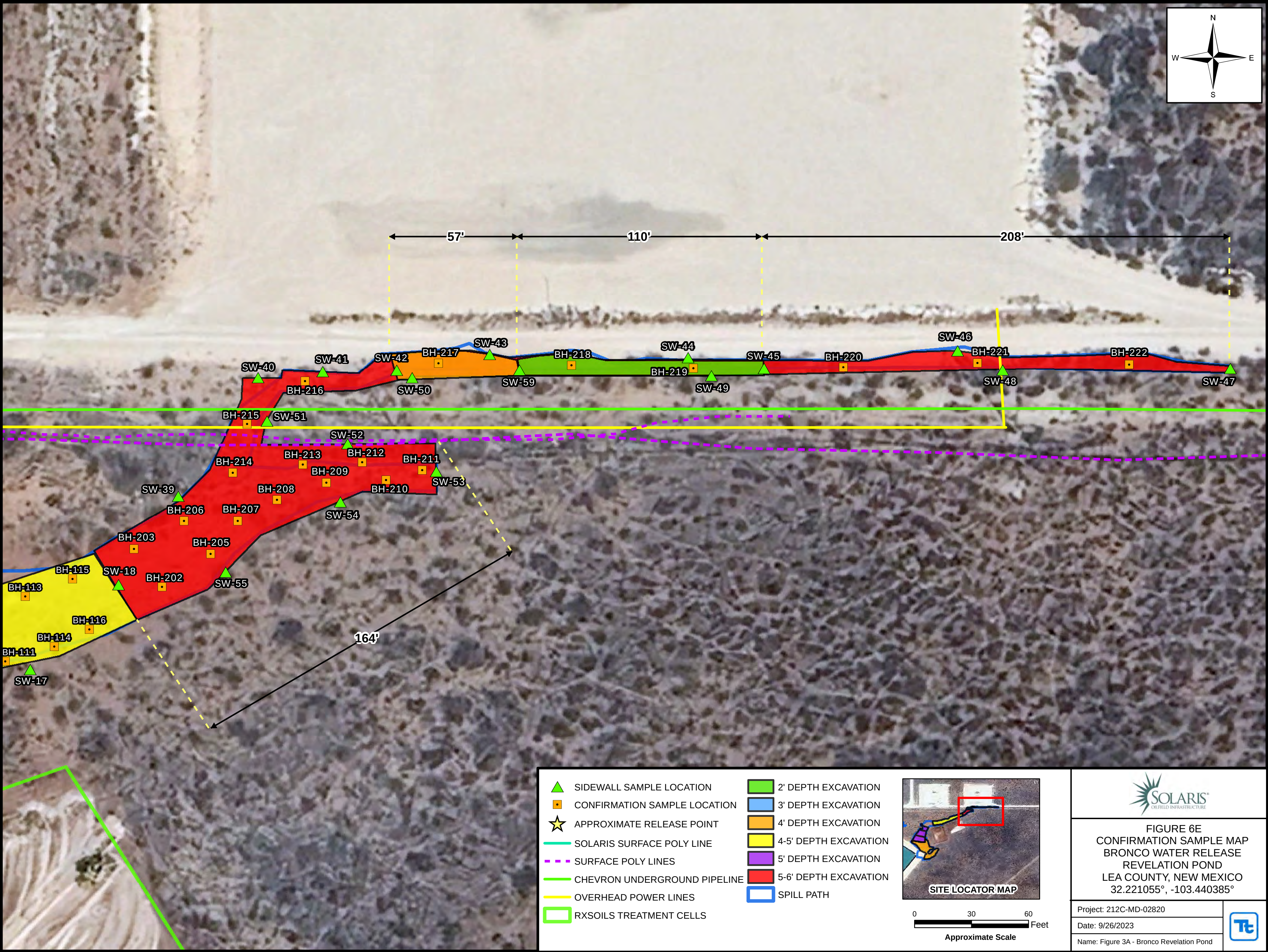
Service Layer Credits: Google Earth, February 2023.







Service Layer Credits: Google Earth, February 2023.



Service Layer Credits: Google Earth, February 2023.





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	<0.00404	<0.00404	36.5
	8/24/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	37.4
	8/24/2022	19'-20'	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
BH-6	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
	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
BH-6	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
	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	Excavtion Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
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	Excavtion Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
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	

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-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

NOTESRRALs (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

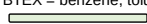
 Exceedance

Table 2
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs					100 mg/kg				10 mg/kg				50 mg/kg	600 mg/kg
AH-1	1/20/2023	0-1	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	100
	"	1-1.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	125
AH-2	1/20/2023	0-1	-	X	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.8
	"	1-1.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	12.7
	"	2-2.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	204
	"	3-3.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	91.4
	"	4-4.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	26.9
AH-3	1/20/2023	0-1	-	X	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.97
	"	1-1.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.33
AH-4	1/20/2023	0-1	-	X	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	16.5
	"	1-1.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	260
	"	2-2.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	694
	"	3-3.5	-	X	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	312
	"	4-4.5	-	X	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	276
H-12	1/20/2023	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	47.6
H-13	1/20/2023	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
H-14	1/20/2023	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<4.97
H-15	1/20/2023	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.00
H-16	1/20/2023	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	86.4
H-17	1/20/2023	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	70.6
H-18	1/20/2023	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	149

NOTESRRALs (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

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)					1,000 mg/kg				2,500 mg/kg	10 mg/kg			50 mg/kg	10,000 mg/kg
BH-1	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,640
BH-2	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,280
BH-3	4/20/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,500
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,760
BH-4	4/20/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	14,000
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
BH-5	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	0.126	<0.050	<0.150	<0.300	6,000
BH-6	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,640
BH-7	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,600
BH-8	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,600
BH-9	4/20/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,900
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,600
BH-10	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,400
BH-11	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,320
BH-12	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,440
BH-13	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,880
BH-14	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,480
BH-15	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,920
BH-16	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,600

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			In-Situ	Removed	GRO	DRO	MRO	Total							
RRALs									100 mg/kg	10 mg/kg	50 mg/kg				600 mg/kg
RRALs (Beyond Top 4.0' of Soil)									2,500 mg/kg	10 mg/kg	50 mg/kg				10,000 mg/kg
BH-17	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,240	
BH-18	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,600	
BH-19	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,040	
BH-20	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,040	
BH-21	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,480	
BH-22	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,920	
BH-23	4/20/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	37,200	
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,720	
BH-24	4/20/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	14,800	
	5/12/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,200	
BH-25	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,040	
BH-26	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,920	
BH-27	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,120	
BH-28	4/20/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,560	
BH-29	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	15,400	
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688	
BH-30	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	42,800	
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,000	

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)		
			In-Situ	Removed	GRO	DRO	MRO	Total								
RRALs									100 mg/kg	10 mg/kg					50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)									2,500 mg/kg	10 mg/kg					50 mg/kg	10,000 mg/kg
BH-31	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	26,800		
	5/12/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,400		
BH-32	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	28,000		
	5/12/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,860		
BH-33	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,200		
BH-34	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	14,900		
	5/15/2023	5.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,800		
BH-35	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	13,400		
	5/22/2023	5.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,200		
BH-36	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	21,200		
	5/18/2023	5.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,760		
BH-37	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,000		
BH-38	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	22,800		
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,360		
BH-39	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,200		
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128		
BH-40	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	29,600		
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,760		
BH-41	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,400		

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)					1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
BH-42	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	13,000
	5/15/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,000
BH-43	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,000
	5/15/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,080
BH-44	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	14,200
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,120
BH-45	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,880
BH-46	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,600
BH-47	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	33,600
	5/11/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	37,600
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,000
BH-48	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,800
BH-49	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,280
BH-50	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	36,000
	5/22/2023	5.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,930
BH-51	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	26,000
	5/11/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,600
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,800
BH-52	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	28,400
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,860

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)						
			In-Situ	Removed	GRO	DRO	MRO	Total												
RRALs									100 mg/kg	10 mg/kg					50 mg/kg	600 mg/kg				
RRALs (Beyond Top 4.0' of Soil)									1,000 mg/kg				2,500 mg/kg	10 mg/kg					50 mg/kg	10,000 mg/kg
BH-53	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	30,800						
	5/11/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,560						
BH-54	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,000						
BH-55	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	20,000						
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,000						
BH-56	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	42,800						
	5/17/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,530						
BH-57	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,460						
BH-58	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	20,800						
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,400						
BH-59	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	27,200						
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,800						
BH-60	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	34,000						
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,800						
BH-61	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	18,000						
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,360						
BH-62	4/25/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	14,000						
	5/18/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,840						
BH-63	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,680						
BH-64	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,100						

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)		
			In-Situ	Removed	GRO	DRO	MRO	Total								
RRALs									100 mg/kg	10 mg/kg	50 mg/kg				600 mg/kg	
RRALs (Beyond Top 4.0' of Soil)									1,000 mg/kg	2,500 mg/kg	10 mg/kg	50 mg/kg				10,000 mg/kg
BH-65	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,600		
BH-66	4/25/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0		
BH-67	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272		
BH-68	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,400		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,400		
BH-69	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,660		
BH-70	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,000		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,280		
BH-71	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,000		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,600		
BH-72	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,530		
BH-73	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,800		
BH-74	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	18,400		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,200		
BH-75	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	20,400		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,660		
BH-76	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	28,000		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,400		
BH-77	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	22,400		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,600		

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)		
			In-Situ	Removed	GRO	DRO	MRO	Total								
RRALs									100 mg/kg	10 mg/kg					50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)									2,500 mg/kg	10 mg/kg					50 mg/kg	10,000 mg/kg
BH-78	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,800		
BH-79	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,000		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,920		
BH-80	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	26,000		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,240		
BH-81	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	19,600		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,400		
BH-82	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,800		
BH-83	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	13,800		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,440		
BH-84	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,660		
BH-85	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,800		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,640		
BH-86	5/3/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,400		
	5/24/2023	5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,000		
BH-87	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,200		
BH-88	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,160		
BH-89	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,200		
BH-90	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,300		
BH-91	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,920		

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			In-Situ	Removed	GRO	DRO	MRO	Total							
RRALs									100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)					1,000 mg/kg				2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
BH-92	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,120	
BH-93	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,560	
BH-94	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,680	
BH-95	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,760	
BH-96	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,120	
BH-97	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,680	
BH-98	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,200	
BH-99	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,080	
BH-100	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,400	
BH-101	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,880	
BH-102	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,240	
BH-103	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,960	
BH-104	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,040	
BH-105	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,680	
BH-106	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,720	
BH-107	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,280	
BH-108	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,160	
BH-109	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,360	

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)			
			In-Situ	Removed	GRO	DRO	MRO	Total									
RRALs								100 mg/kg	10 mg/kg					50 mg/kg	600 mg/kg		
RRALs (Beyond Top 4.0' of Soil)								1,000 mg/kg		2,500 mg/kg	10 mg/kg					50 mg/kg	10,000 mg/kg
BH-110	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,240			
BH-111	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,120			
BH-112	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,320			
BH-113	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	928			
BH-114	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,160			
BH-115	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,880			
BH-116	5/3/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736			
BH-117	5/17/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,840			
BH-118	5/17/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,440			
BH-119	5/17/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,360			
BH-120	5/17/2023	4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,100			
	5/24/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128			
BH-121	5/17/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,400			
BH-122	5/17/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,660			
BH-123	5/17/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,960			
BH-124	5/17/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,600			
BH-125	5/22/2023	4.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176			
BH-126	5/22/2023	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128			

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)					1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
BH-127	5/22/2023	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,400
BH-128	6/2/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
BH-129	6/2/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,040
BH-130	6/2/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,340
BH-131	6/2/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,720
BH-132	6/2/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,160
BH-133	6/2/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,480
BH-134	6/2/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,280
BH-135	6/2/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,170
BH-136	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,880
BH-137	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,000
BH-138	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,320
BH-139	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,640
BH-140	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,440
BH-141	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,520
BH-142	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,400
BH-143	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,920
BH-144	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,520

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			In-Situ	Removed	GRO	DRO	MRO	Total							
RRALs								100 mg/kg	10 mg/kg					50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)				1,000 mg/kg				2,500 mg/kg	10 mg/kg					50 mg/kg	10,000 mg/kg
BH-145	6/6/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,440	
BH-146	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,470	
BH-147	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,810	
BH-148	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,600	
BH-149	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,520	
BH-150	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,570	
BH-151	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,600	
BH-152	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,600	
BH-153	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,080	
BH-154	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,680	
BH-155	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,260	
BH-156	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,040	
BH-157	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,800	
BH-158	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,120	
BH-159	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,820	
BH-160	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,040	
BH-161	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,520	
BH-162	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240	

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)					1,000 mg/kg				2,500 mg/kg	10 mg/kg			50 mg/kg	10,000 mg/kg
BH-163	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
BH-164	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-165	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,040
BH-166	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
BH-167	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
BH-168	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,710
BH-169	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,600
BH-170	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,710
BH-171	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
BH-172	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
BH-173	6/9/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
BH-174	7/6/2023	4.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	3,170
BH-175	7/6/2023	4.0	X	-	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2,080
BH-176	7/6/2023	4.0	X	-	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	525
BH-177	7/6/2023	4.0	X	-	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	524
BH-178	7/6/2023	4.0	X	-	<50.2	169	<50.2	169	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	752
BH-179	7/6/2023	4.0	X	-	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	85.6
BH-180	7/6/2023	4.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	42.0

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			In-Situ	Removed	GRO	DRO	MRO	Total							
RRALs								100 mg/kg	10 mg/kg					50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)				1,000 mg/kg				2,500 mg/kg	10 mg/kg					50 mg/kg	10,000 mg/kg
BH-181	7/6/2023	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	223	
BH-182	7/6/2023	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,430	
BH-183	7/6/2023	4.0	X	-	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	532	
BH-184	7/6/2023	4.0	X	-	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,580	
BH-185	7/6/2023	4.0	X	-	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,650	
BH-186	7/6/2023	4.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2,690	
BH-187	7/6/2023	4.0	X	-	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	136	
BH-188	7/6/2023	4.0	X	-	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	258	
BH-189	7/6/2023	4.0	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	170	
BH-190	7/6/2023	4.0	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,370	
BH-191	7/6/2023	4.0	X		<49.6	121	<49.6	121	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,410	
BH-192	7/6/2023	4.0	X		<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,490	
BH-193	7/6/2023	4.0	X	-	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	287	
BH-194	7/6/2023	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	0.0106	<0.00201	0.00703	0.0176	652	
BH-195	7/6/2023	4.0	X	-	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	4,310	
BH-196	7/6/2023	4.0	X	-	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,290	
BH-197	7/6/2023	4.0	X	-	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,330	
BH-198	7/6/2023	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,450	

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)				1,000 mg/kg				2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
BH-199	7/6/2023	4.0	X	-	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,120
BH-200	7/6/2023	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,970
BH-201	7/6/2023	4.0	X	-	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	3,760
BH-202	8/10/2023	5.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	952
BH-203	8/10/2023	5.0	X	-	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,530
BH-204	8/10/2023	5.0	X	-	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,790
BH-205	8/10/2023	5.0	X	-	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	61.6
BH-206	8/10/2023	5.0	X	-	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,910
BH-207	8/10/2023	5.0	X	-	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,800
BH-208	8/10/2023	5.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	566
BH-209	8/10/2023	5.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	90.9
BH-210	8/10/2023	5.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	123
BH-211	8/10/2023	5.0	X	-	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,390
BH-212	8/10/2023	5.0	X	-	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,100
BH-213	8/10/2023	5.0	X	-	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,400
BH-214	8/10/2023	5.0	X	-	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,420
BH-215	8/10/2023	5.0	X	-	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	906
BH-216	8/10/2023	5.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	392

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)						
			In-Situ	Removed	GRO	DRO	MRO	Total												
RRALs									100 mg/kg	10 mg/kg					50 mg/kg	600 mg/kg				
RRALs (Beyond Top 4.0' of Soil)									1,000 mg/kg				2,500 mg/kg	10 mg/kg					50 mg/kg	10,000 mg/kg
BH-217	8/10/2023	2.0	-	X	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	930						
	8/31/2023	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0						
BH-218	8/10/2023	2.0	X	-	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	86.0						
BH-219	8/10/2023	2.0	X	-	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	148						
BH-220	8/10/2023	5.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	58.2						
BH-221	8/10/2023	5.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	65.7						
BH-222	8/10/2023	5.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.3						
BH-223	8/10/2023	4.0	X	-	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	142						
BH-224	8/10/2023	4.0	X	-	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	171						
BH-225	8/10/2023	4.0	X	-	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,200						
BH-226	8/10/2023	4.0	X	-	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,460						
BH-227	8/10/2023	3.0	X	-	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	83.5						
BH-228	8/10/2023	3.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	222						
BH-229	8/10/2023	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	152						
BH-230	8/10/2023	3.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	360						
BH-227A	8/18/2023	4.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	222						
BH-228A	8/18/2023	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	152						
BH-229A	8/18/2023	4.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	360						

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)					
			In-Situ	Removed	GRO	DRO	MRO	Total											
RRALs									100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg				
RRALs (Beyond Top 4.0' of Soil)									1,000 mg/kg				2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
SW-1	4/20/2023	-	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,520					
	5/18/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256					
SW-2	4/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432					
SW-3	4/25/2023	-	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624					
	5/11/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112					
SW-4	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336					
SW-5	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144					
SW-6	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0					
SW-7	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0					
SW-8	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320					
SW-9	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144					
SW-10	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0					
SW-11	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192					
SW-12	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0					
SW-13	4/25/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0					
SW-14	6/2/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0					
SW-15	6/2/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304					
SW-16	5/15/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0					
SW-17	6/2/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0					

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)					1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
SW-18	-	-	X	-	Not collected, due to planned removal of the wall and then was not worked into sequence in another area.									
SW-19	5/15/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-20	6/2/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-21	6/2/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-22	5/15/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-23	6/2/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-24	6/6/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
SW-25	6/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-26	6/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-27	6/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-28	6/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-29	6/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
SW-30	6/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-31	6/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-32	6/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-33	6/20/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-34	7/6/2023	-	X	-	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	71.3
SW-35	8/10/2023	-	X	-	<49.5	<49.5	<49.5	<49.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12,300

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)		
			In-Situ	Removed	GRO	DRO	MRO	Total								
RRALs									100 mg/kg	10 mg/kg					50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)									2,500 mg/kg	10 mg/kg					50 mg/kg	10,000 mg/kg
SW-36	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0		
SW-37	8/8/2023	-	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,120		
	8/18/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0		
SW-38	8/8/2023	-	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,880		
	8/18/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0		
SW-39	8/8/2023	-	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,140		
	8/18/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384		
SW-40	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0		
SW-41	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0		
SW-42	8/8/2023	-	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,200		
	8/18/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0		
SW-43	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0		
SW-44	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192		
SW-45	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0		
SW-46	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208		
SW-47	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0		
SW-48	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0		
SW-49	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0		

Table 3
Solaris
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)								2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
SW-50	8/8/2023	-	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	992
	8/18/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-51	8/8/2023	-	-	X	X	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
	8/18/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-52	8/8/2023	-	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,160
	8/18/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-53	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
SW-54	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-55	8/8/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-56	8/10/2023	-	X	-	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	136
SW-57	8/10/2023	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	387
SW-58	8/10/2023	-	X	-	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	426
SW-59	8/31/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0

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

Excavated
 Deferred

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs														600 mg/kg
Comp A-1 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	544
Comp A-1 / Flip 1 DUP	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	368
Comp A-2 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	480
Comp A-2 / Flip 1 DUP	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	256
Comp A-3 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	1,630
	5/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	544
Comp A-3 / Flip 1 DUP	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	1,440
Comp A-4 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	336
Comp A-4 / Flip 1 DUP	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp A-5 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	2,480
	5/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp A-5 / Flip 1 DUP	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	1,880
Comp A-6 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	192
Comp B-1 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	1,380
	5/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp B-2 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	560
Comp B-3 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	944
	5/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	432
Comp B-4 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	608
	5/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	752
	5/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	240
Comp B-5 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	1,630
	5/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	144
Comp B-6 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	928
	5/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	240
Comp B-6 / Flip 1 DUP	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	1,010

[illegible]

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs														600 mg/kg
Comp F-2 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	336
Comp F-2 / Flip 2 DUP	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	336
Comp F-3 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp F-4 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp F-4 / Flip 2 DUP	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp F-5 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp F-6 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	224
Comp G-1 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp G-2 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp G-3 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	48.0
Comp G-3 / Flip 2 DUP	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp G-4 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	112
Comp G-5 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	128
Comp G-6 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	272
Comp H-1 / Flip 2	5/12/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	64.0
Comp H-2 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	336
Comp H-3 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	176
Comp H-4 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp H-4 / Flip 2 DUP	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	144
Comp H-5 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	112
Comp H-6 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	176
Comp I-1 / Flip 2	5/12/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	64.0
Comp I-2 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	240
Comp I-3 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	352

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALS														600 mg/kg
Comp I-4 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	176
Comp I-5 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp I-5 / Flip 2 DUP	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	64
Comp I-6 / Flip 2	5/12/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp J-1 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	128
Comp J-2 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp J-3 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	128
Comp J-4 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp J-5 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	112
Comp J-6 / Flip 2	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	224
Comp J-6 / Flip 2 DUP	5/11/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	368
Comp K-1 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	240
Comp K-2 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp K-2 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	215
Comp K-3 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	720
	6/27/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp K-4 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	48.0
Comp K-5 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	64.0
Comp K-6 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp K-6 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp L-1 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	272
Comp L-2 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp L-3 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	224

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs														600 mg/kg
Comp L-4 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	128
Comp L-4 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	99.3
Comp L-5 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	192
Comp L-6 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp M-1 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp M-2 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp M-2 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp M-3 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp M-3 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	211
Comp M-4 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	112
Comp M-5 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	192
Comp M-6 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp M-6 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	138
Comp N-1 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	560
Comp N-2 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	448
Comp N-2 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	448
Comp N-3 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	352
Comp N-3 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	352
Comp N-4 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	528
Comp N-4 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	528
Comp N-5 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	464
Comp N-5 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	487
Comp N-6 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp O-1 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs														600 mg/kg
Comp O-2 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp O-3 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	144
Comp O-4 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	576
Comp O-4 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	576
Comp O-5 / Flip 3	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp O-5 / Flip 3 DUP	6/21/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp O-6 / Flip 3	6/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	208
Comp P-1 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	144
Comp P-2 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	448
Comp P-3 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	384
Comp P-4 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	592
Comp P-5 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	176
Comp P-6 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp Q-1 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp Q-2 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	560
Comp Q-3 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	112
Comp Q-4 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	208
Comp Q-5 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	272
Comp Q-6 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	368
Comp R-1 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp R-2 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	48.0
Comp R-3 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp R-4 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	192
Comp R-5 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	208

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs														600 mg/kg
Comp R-6 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp S-1 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	384
Comp S-2 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	480
Comp S-3 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	224
Comp S-4 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	288
Comp S-5 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	128
Comp S-6 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp T-1 / Flip 4	7/6/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp T-2 / Flip 3	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	352
Comp T-3 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp T-4 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	48.0
Comp T-5 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	240
Comp T-6 / Flip 4	7/5/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	336
Comp U-1 / Flip 5	7/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	224
Comp U-2 / Flip 5	7/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	352
Comp U-3 / Flip 5	7/27/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	272
Comp U-4 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	480
Comp U-5 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	336
Comp U-6 / Flip 5	7/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	448
Comp V-1 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	528
Comp V-2 / Flip 5	7/27/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	272
Comp V-3 / Flip 5	7/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	352
Comp V-4 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	144
Comp V-5 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	384

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs														600 mg/kg
Comp V-6 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	576
Comp W-1 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp W-2 / Flip 5	7/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	64.0
Comp W-3 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp W-4 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp W-5 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp W-6 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	1,170
	8/1/2023	0-4'	X											240
Comp X-1 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	608
	8/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	240
Comp X-2 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	384
Comp X-3 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	400
Comp X-4 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	400
Comp X-5 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp X-6 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	864
	8/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	128
Comp Y-1 / Flip 5	7/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp Y-2 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp Y-3 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp Y-4 / Flip 5	7/26/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	560
Comp Y-5 / Flip 5	7/27/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp Y-6 / Flip 5	7/25/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	288
Comp Z-1 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	384
Comp Z-2 / Flip 6	8/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	208
Comp Z-3 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs														600 mg/kg
Comp Z-4 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	368
Comp Z-5 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp Z-6 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp AA-1 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	352
Comp AA-2 / Flip 6	8/10/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	240
Comp AA-3 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	400
Comp AA-4 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp AA-5 / Flip 6	8/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp AA-6 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	368
Comp BB-1 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	432
Comp BB-2 / Flip 6	8/10/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	112
Comp BB-3 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	528
Comp BB-4 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	832
	8/15/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	96.0
Comp BB-5 / Flip 6	8/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	448
Comp BB-6 / Flip 6	8/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp CC-1 / Flip 6	8/10/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp CC-2 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs														600 mg/kg
Comp CC-3 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp CC-4 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp CC-5 / Flip 6	8/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp CC-6 / Flip 6	8/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	48.0
Comp DD-1 / Flip 6	8/10/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	176
Comp DD-2 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	464
Comp DD-3 / Flip 6	8/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	176
Comp DD-4 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	112
Comp DD-5 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp DD-6 / Flip 6	8/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	192
Comp EE-1 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	208
Comp EE-2 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp EE-3 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	192
Comp FF-1 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160
Comp FF-2 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	464
Comp FF-3 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	208
Comp GG-1 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	352
Comp GG-2 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	448
Comp GG-3 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	576
Comp HH-1 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	128
Comp HH-2 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	144
Comp HH-3 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160

Table 4
Solaris Water Midstream
Bronco Revelation Pond Water Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs														600 mg/kg
Comp II-1 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	336
Comp II-2 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	80.0
Comp II-3 / Flip 7	8/29/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	160

NOTES
RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) *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

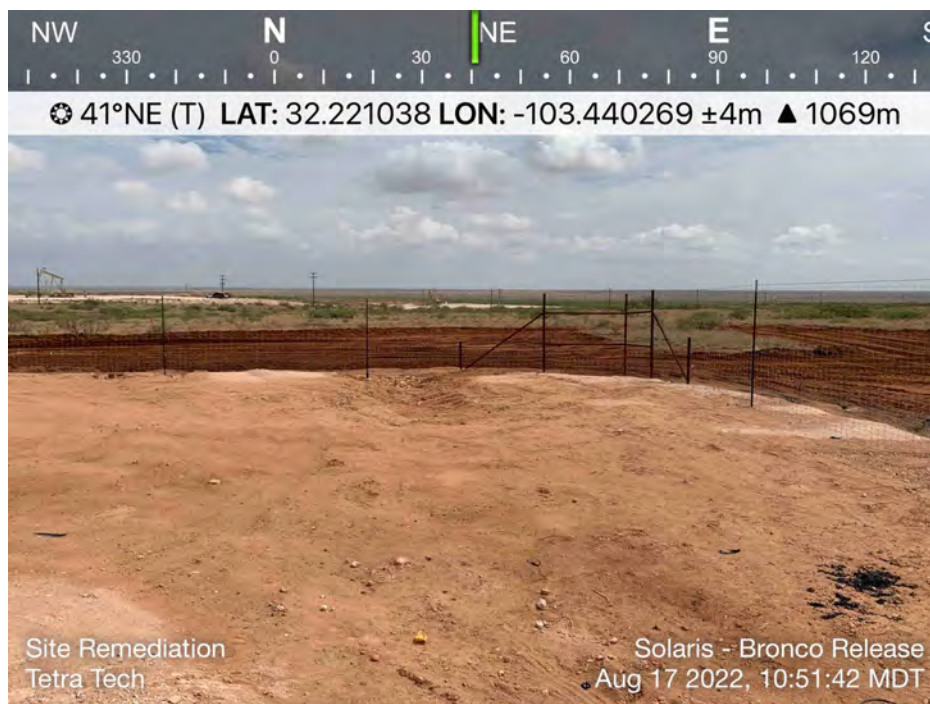


Photographic Documentation

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



View of Release Area – View West

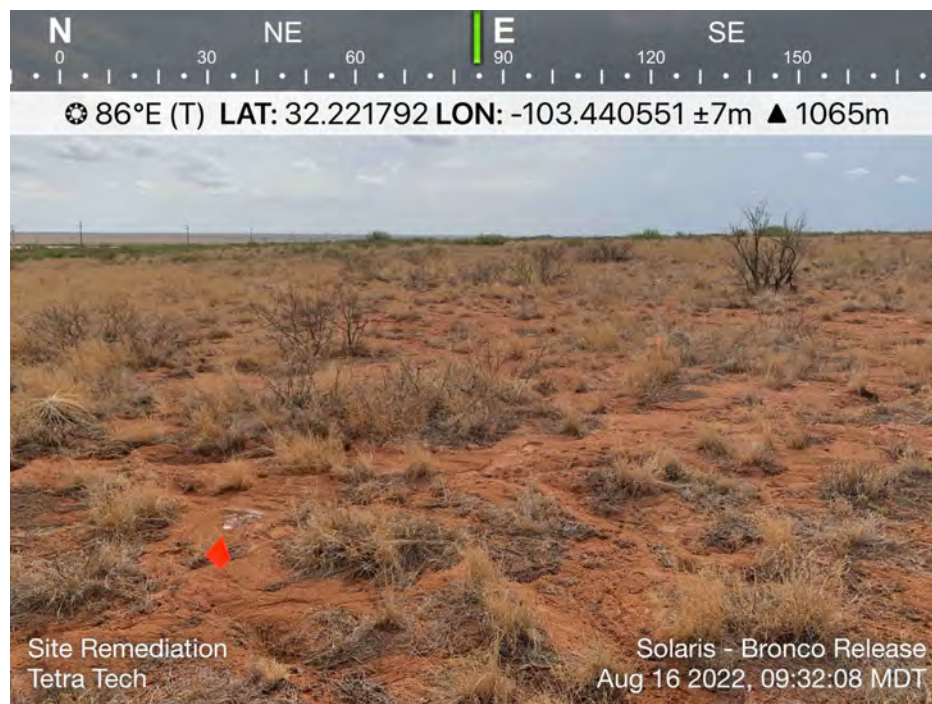


View of Release Area – View Northeast

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



View of Impact – View North



View of Impact – View East

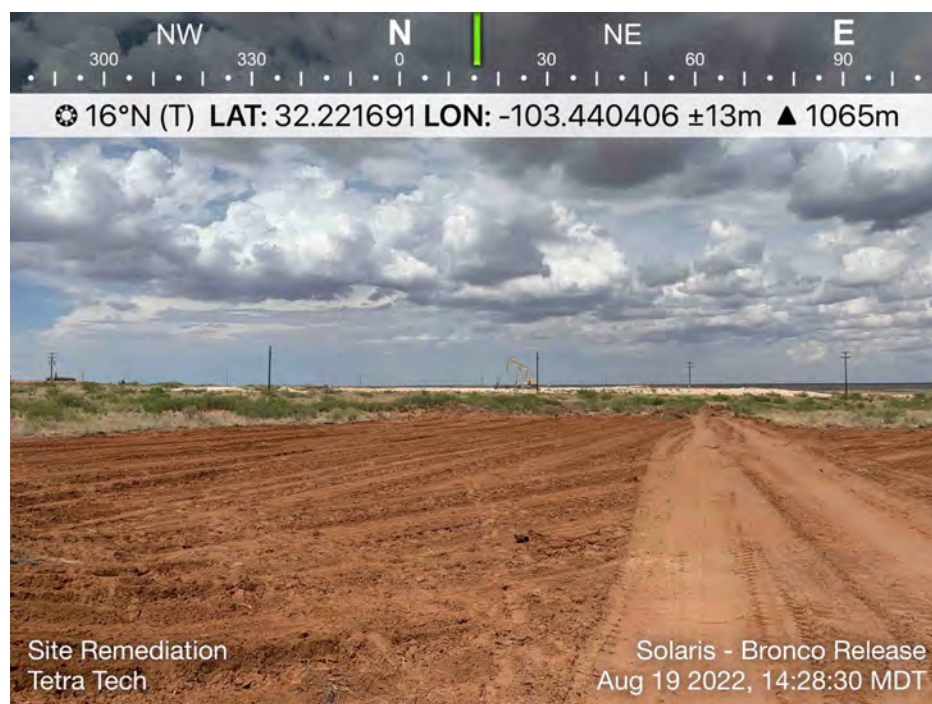
Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico



TETRA TECH



View of Initial Remediation Activities – View Northeast

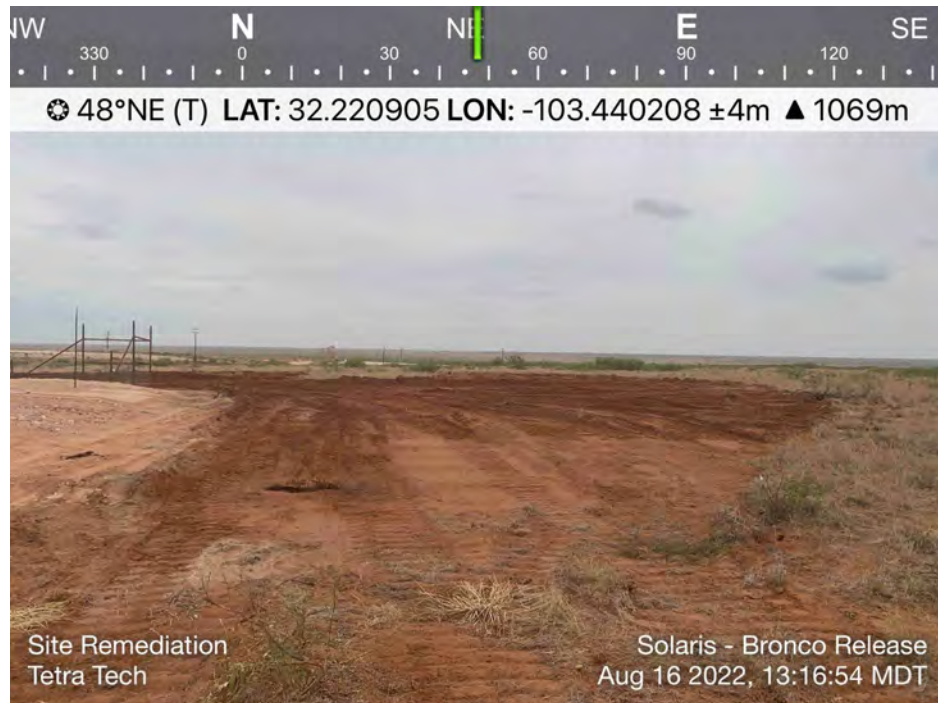


View of Initial Remediation Activities – View North

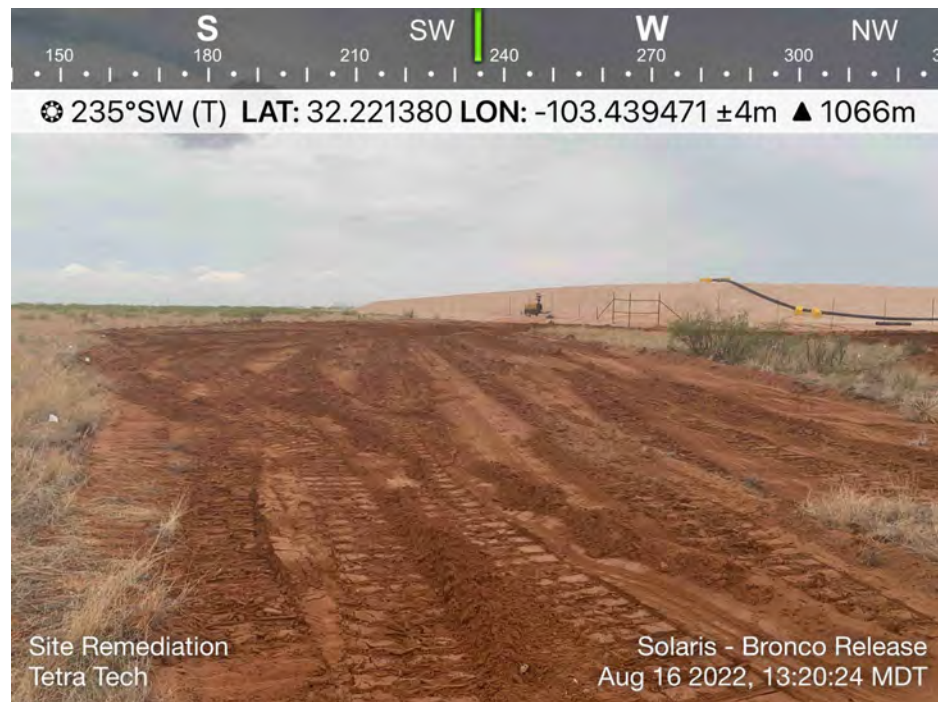
Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico



TETRA TECH



View of Initial Remediation Activities – View Northeast

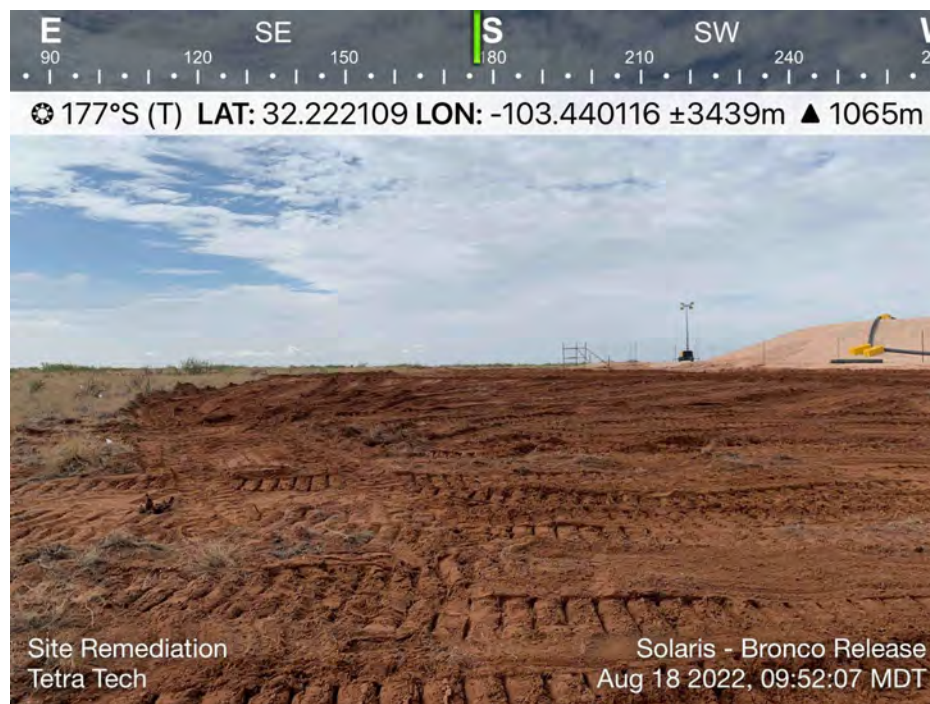


View of Initial Remediation Activities – View Southwest

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



View of Initial Remediation Activities – View East

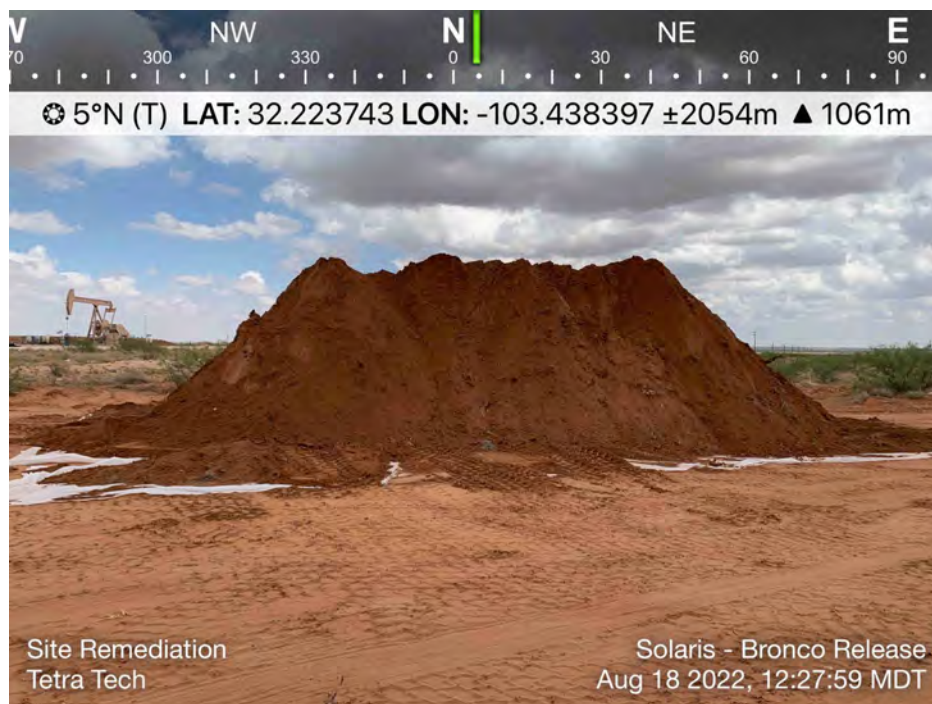


View of Initial Remediation Activities – View South

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

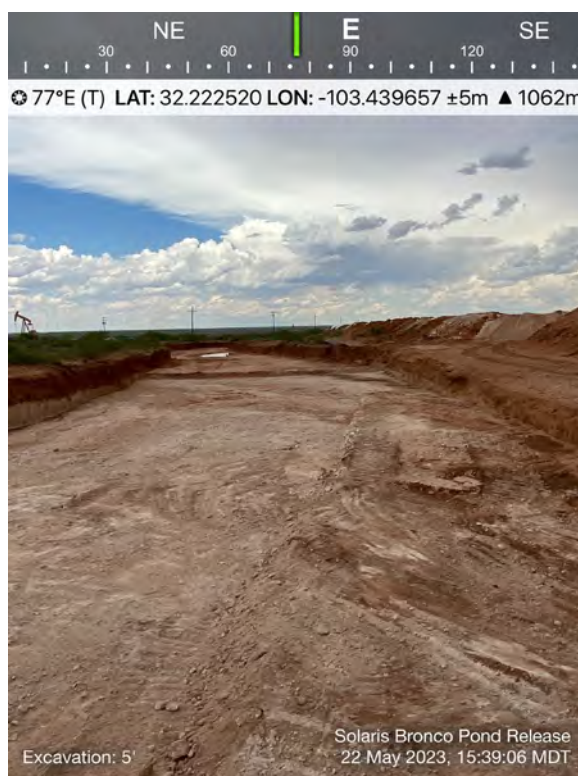


TETRA TECH



View of Stockpile of Initial Remediation Activities – View North

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



View of Remediation Activities – View East



View of Remediation Activities – View Southwest

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

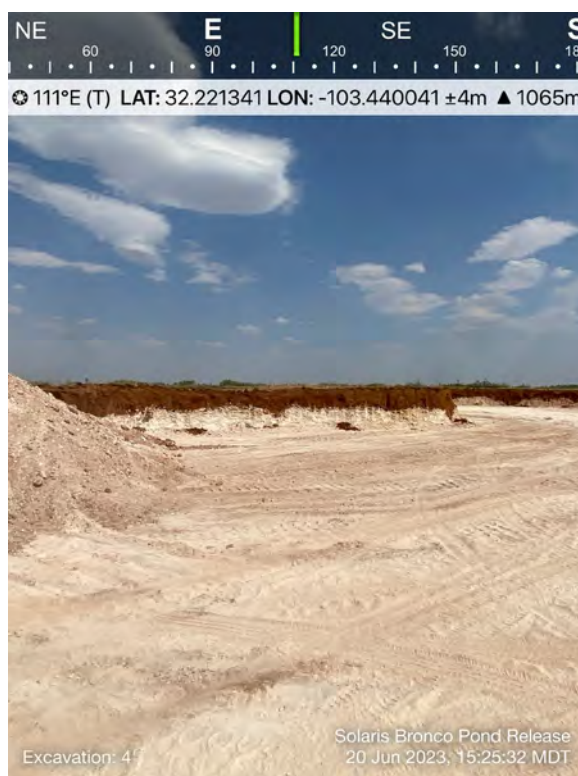


View of Remediation Activities – View Southwest

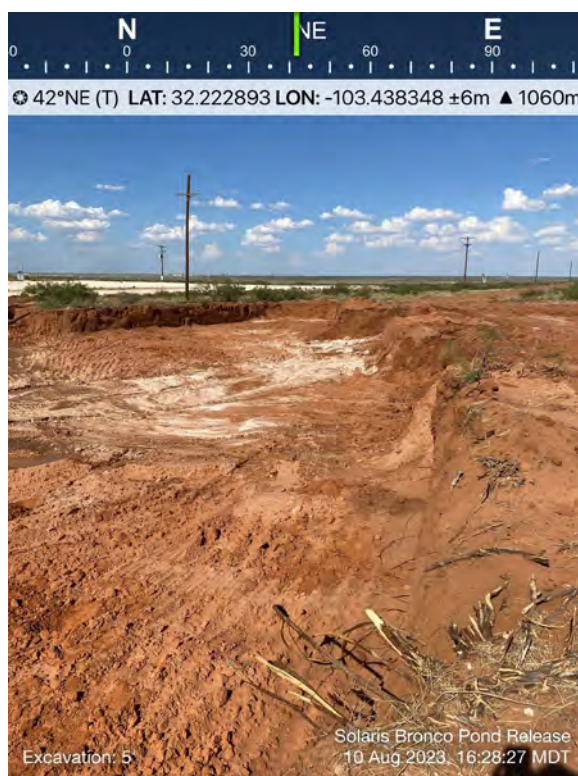


View of Remediation Activities – View East

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



View of Remediation Activities – View East



View of Remediation Activities – View Northeast

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



View of Remediation Activities – View Southwest



View of Remediation Activities – View West

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



View of Treatment Cell– View East



View of Treatment Cell – View Southeast

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



View of Liner Installation at Sidewall-35



View of Liner Installation at Sidewall-35

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



TETRA TECH



View of Backfilled Area



View of Backfilled Area

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



TETRA TECH



View of Backfilled Area



View of Backfilled Area

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



TETRA TECH



View of Backfilled Area



View of Backfilled Area



Appendix A

State Correspondence

RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application,
Application ID: 166575

Rob Kirk <rob.kirk@ariswater.com>

Thu 2/16/2023 3:19 PM

To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

Cc: Long, Brittany <Brittany.Long@tetrattech.com>; Gonzales, Clair <Clair.Gonzales@tetrattech.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.



Thank you, Jennifer,

We appreciate your help on this.

We will include the correspondence as you indicate in Reporting.

Regards

Rob Kirk
VP & GM, HSE & Compliance
Aris Water Solutions
C: (469) 978-5620

3305 Boyd Drive
Carlsbad, NM 88220
O NM (575) 300-5155

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

Sent: Thursday, February 16, 2023 12:57 PM

To: Rob Kirk <rob.kirk@ariswater.com>

Cc: Long, Brittany <Brittany.Long@tetrattech.com>; Gonzales, Clair <Clair.Gonzales@tetrattech.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 166575

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact IT

Hello Rob

OCD has reviewed the provided data from the second release and you can go ahead and proceed with the implementation of your Remediation Plan dated December 6, 2022. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file. Please don't hesitate to contact me if you have any questions.

Thanks,
Jennifer Nobui

From: Rob Kirk <rob.kirk@ariswater.com>
Sent: Thursday, February 16, 2023 10:51 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Long, Brittany <Brittany.Long@tetrattech.com>; Gonzales, Clair <Clair.Gonzales@tetrattech.com>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 166575

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello Ms. Nobui,

Tetra Tech did the additional sampling of the NexGen second release at the Solaris Revelation Pond as OCD requested.

The attached email contains the data results.

Please let us know if we can proceed with the remediation project or if additional actions are needed.

Regards

Rob Kirk
VP & GM, HSE & Compliance
Aris Water Solutions
C: (469) 978-5620

3305 Boyd Drive
Carlsbad, NM 88220
O NM (575) 300-5155

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, January 11, 2023 9:56 AM
To: Rob Kirk <rob.kirk@ariswater.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 166575

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact IT

To whom it may concern (c/o Rob Kirk for SOLARIS WATER MIDSTREAM, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2221974411, with the following conditions:

- **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.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by Mimecast, a leader in email security and cyber resilience. Mimecast integrates email defenses with brand protection, security awareness training, web security, compliance and other essential capabilities. Mimecast helps protect large and small organizations from malicious activity, human error and technology failure; and to lead the movement toward building a more resilient world. To find out more, visit our website.

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by Mimecast, a leader in email security and cyber resilience. Mimecast integrates email defenses with brand protection, security awareness training, web security, compliance and other essential capabilities. Mimecast helps protect large and small organizations from malicious activity, human error and technology failure; and to lead the movement toward building a more resilient world. To find out more, visit our website.

RE: [EXTERNAL] Solaris Bronco Relevation Pond Water Release (nAPP2231934031)

Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Thu 5/4/2023 9:51 AM

To: Long, Brittany <Brittany.Long@tetrattech.com>

Cc: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Brittany,

I thought we had approved work for this facility. The approval is in Incident # **NAPP2221974411**, so there are two releases. One of the COA's was to upload the plan to **NAPP2231934031**. I will make a note in this incident page referencing the other incident number, but be sure at some point the 34031 incident gets updated with all documents, and then the same will need to be done when you get ready to close them both out.

Thanks for the quick response & please proceed.

Thank you,

Mike Bratcher • Incident Supervisor

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave | Artesia, NM 88210

(575) 626-0857 | mike.bratcher@emnrd.nm.gov<http://www.emnrd.nm.gov/ocd>

From: Long, Brittany <Brittany.Long@tetrattech.com>**Sent:** Thursday, May 4, 2023 8:35 AM**To:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>**Cc:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>**Subject:** RE: [EXTERNAL] Solaris Bronco Relevation Pond Water Release (nAPP2231934031)

Mike,

Attached is the email chain of approvals.

It will not let me email the work plan due to its size, however, I believe it was submitted on 12/9/2022 and is dated 12/6/2022.

Please let me know if you need anything else to review.

Brittany D. Long**Brittany D. Long** | Biologist & Project Manager

Phone: 432.682.4559 | Mobile 432.741.5813 | Fax: 432.682.3946

Brittany.Long@tetrattech.com

Tetra Tech | *Leading with Science*[®]

901 West Wall Street, Suite 100 Midland, Texas 79701

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Please consider the environment before printing. [Read more](#)



From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Sent: Thursday, May 4, 2023 9:06 AM

To: Long, Brittany <Brittany.Long@tetrattech.com>

Cc: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Solaris Bronco Relevation Pond Water Release (nAPP2231934031)

Importance: High

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

Brittany,

I do not see an approved, or any submitted work plan associated with this incident number. Can you please email me a copy of the work plan and a copy of the email approval? This project is on hold until we can sort this out.

Thank you,

Mike Bratcher • Incident Supervisor

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave | Artesia, NM 88210

(575) 626-0857 | mike.bratcher@emnrd.nm.gov

<http://www.emnrd.nm.gov/ocd>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Sent: Wednesday, May 3, 2023 4:34 PM

To: Long, Brittany <Brittany.Long@tetrattech.com>

Cc: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Solaris Bronco Relevation Pond Water Release (nAPP2231934031)

Brittany,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Long, Brittany <Brittany.Long@tetrattech.com>
Sent: Wednesday, May 3, 2023 8:35 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Gonzales, Clair <Clair.Gonzales@tetrattech.com>
Subject: [EXTERNAL] Solaris Bronco Relevation Pond Water Release (nAPP2231934031)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To whom it may concern,

Tetra Tech is scheduled to collect 5 point confirmation, bottom hole and sidewall samples, along with treated backfill samples for the Solaris Bronco Revelation Pond Water Release (nAPP2231934031) remediation starting on Friday, May 5, 2023 at 8:34 AM. These samples will be placed within the remediation and within the backfill as stated in the approved work plan, and will continue each day as the remediation progresses. Please let me know if you have any questions or need any additional information.

Best Regards,

Brittany D. Long,

Brittany D. Long | Biologist & Project Manager

Phone: 432.682.4559 | Mobile 432.741.5813 | Fax:432.682.3946

Brittany.Long@tetrattech.com

Tetra Tech | *Leading with Science®*

901 West Wall Street, Suite 100 Midland, Texas 79701

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.



Please consider the environment before printing. [Read more](#)





Appendix B

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)

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

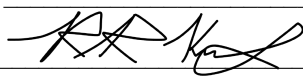
Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

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: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

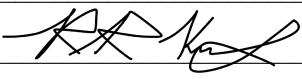
- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note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

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

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

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

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

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.

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

QUESTIONS, Page 2

Action 131922

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	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
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	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.

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

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

☒	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☒	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.
☒	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.
☒	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.
☒	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.
☒	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.

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 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
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	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 150	Volume Recovered (bbls) 50
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

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 NMOC 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.

Incident ID	nAPP2231934031
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? 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 responsiblity 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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <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: Rob Kirk	Title: VP & GM, HSE & Compliance
Signature: 	Date: 11/15/2022
email: rob.kirk@ariswater.com	Telephone: 469-978-5620
<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?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

Oil Conservation Division

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: 11/28/2023

email: Rob.Kirk@ariswater.com

Telephone: (469) 978-5620

OCD Only

Received by: _____

Date: _____

Incident ID	nAPP2231934031
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Rob Kirk Title: VP & GM HSE & Compliance
Signature:  Date: 11/28/2023
email: Rob.Kirk@ariswater.com Telephone: (469) 978-5620

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Appendix C

Site Characterization Documents

212C-MD-02820	TETRA TECH	LOG OF BORING DTW	Page 1 of 1
Project Name: Bronco Water Release Revelation Pond			
Borehole Location: GPS Coordinate: 32.223436°, -103.449230°		Surface Elevation: 3513 ft	
Borehole Number: DTW		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	
												Remarks:		
MATERIAL DESCRIPTION												DEPTH (ft)	REMARKS	
5												-SM- SAND: Brown, loose, dry	1	
												-- CALICHE: Tan, dense, dry, with occasional thin beds of loose sand and gravel interbeds	4	
												-SM- SAND: Tan, loose, trace gravel, dry	7	
10												-- CALICHE: White to tan, medium stiff, with abundant gravel, dry		
15													14	
20												-SM- SAND: Light brown, loose, dry		
25														
30												-SM- SAND: Reddish brown, loose, dry		
35														
40														
45														
50														
55												-SC- CLAYEY SAND: Red, medium dense, medium plasticity, dry	53	
												Bottom of borehole at 55.0 feet.		

Sampler Types:	☒ Split Spoon ☒ Shelby ☒ Bulk Sample ☒ Grab Sample	☒ Acetate Liner ☒ Vane Shear ☒ Discrete Sample ☒ Test Pit	Operation Types:	☒ 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	

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

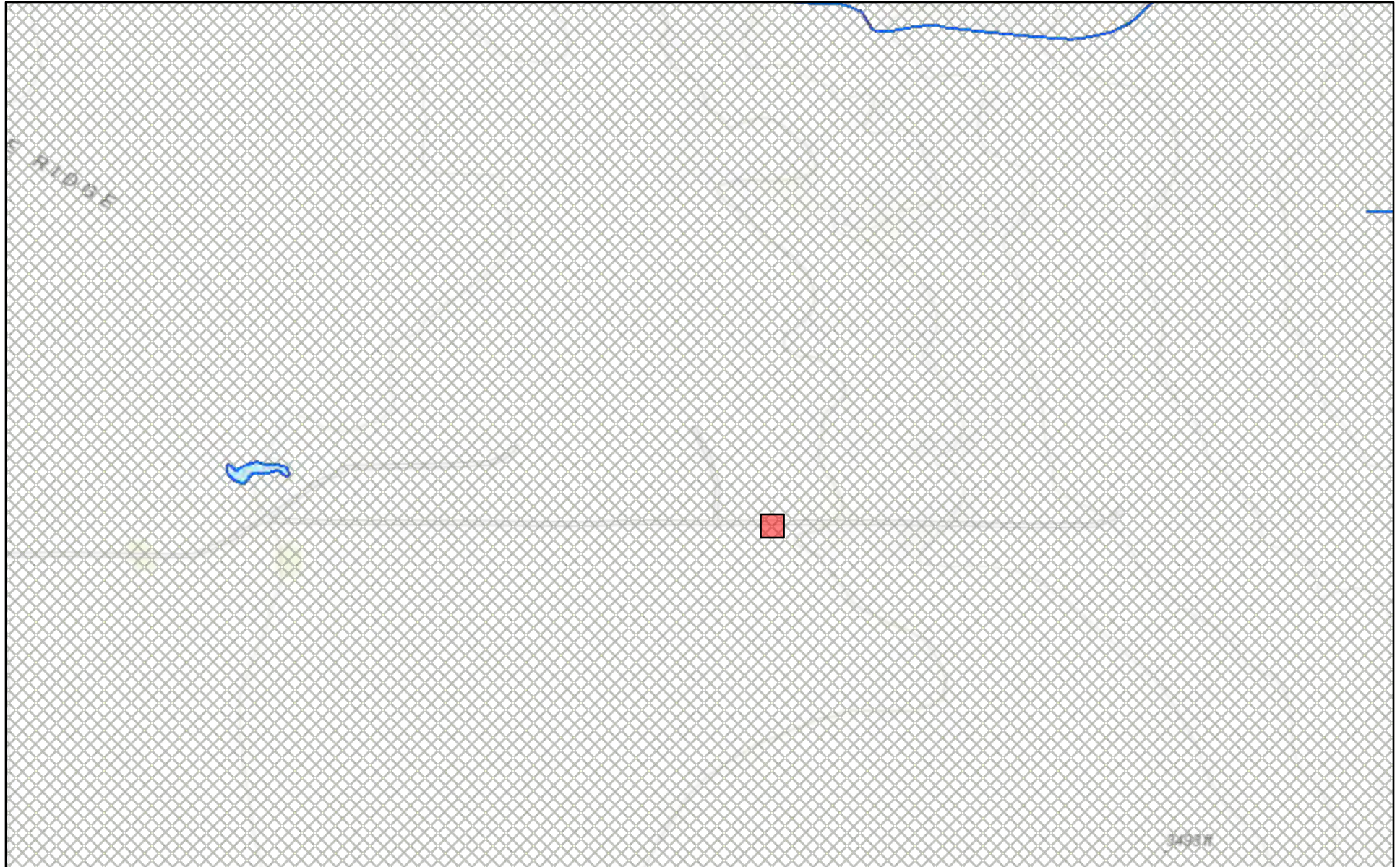
Groundwater Determination Bore

H-9
BH-11
H-6
H-10
BH-9
BH-10
BH-8
BH-5
BH-1
BH-2
BH-3
H-1
H-2

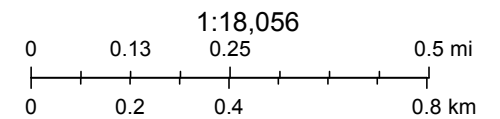


2000 ft

New Mexico NFHL Data



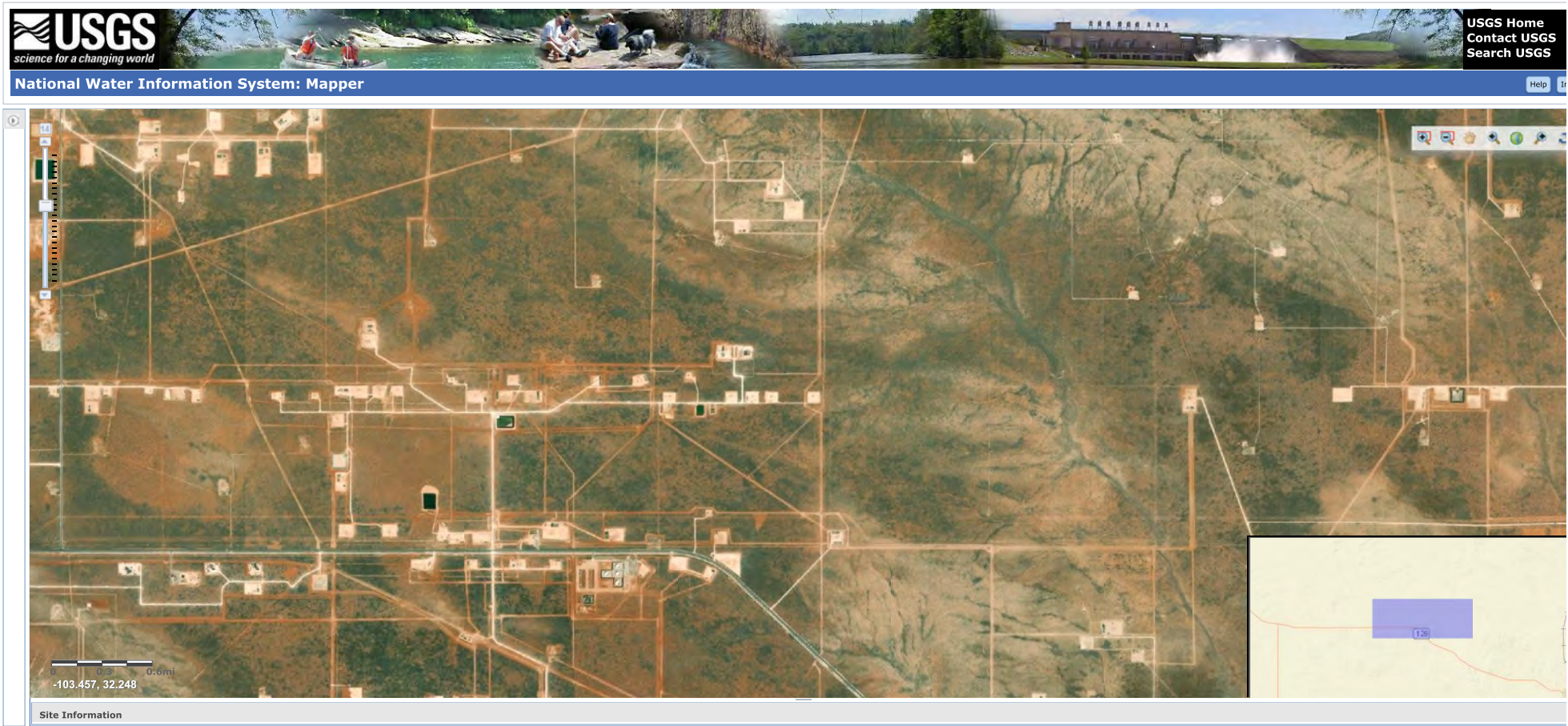
August 9, 2022



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

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:Groundwater

Geographic Area:New Mexico

GO

Click to hideNews 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

 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			D62610		3449.23	NGVD29	1		Z	
1953-04-27			D62611		3450.85	NAVD88	1		Z	
1953-04-27			D72019	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

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](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
[News](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2022-08-09 23:03:50 EDT
0.28 0.24 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	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 Rev Date:				Plug Date:					
Pump Type:				Pipe Discharge Size:				Source:					
Casing Size:				Depth Well:				Estimated Yield: 3 GPM					
6.00				62 feet				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.

Low Karst

olaris Water Midstream
ronco Water Release Revelation Pond

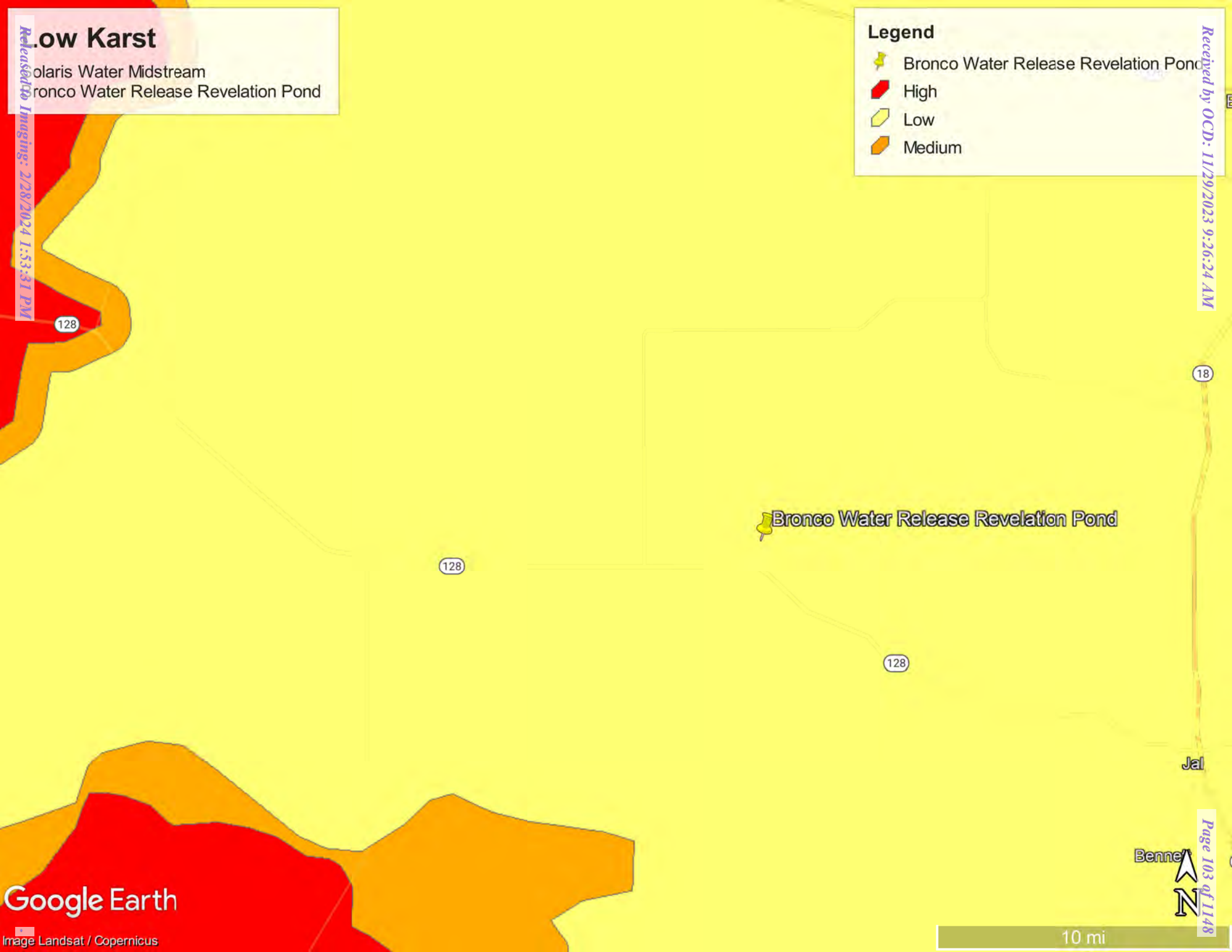
Legend

 Bronco Water Release Revelation Pond

 High

 Low

 Medium



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
7	8	255	9	10	11
18	17	16	345	15	14
19	20	21	22	282	23
30	29	28	27	295	265
31	32	160	33	34	35
	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
18	17	16	15	22	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	70	34	35
		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	14	13
19	20	97	21	22	23
30	29	28	27	26	25
31	32	33	34	35	36

25 South			33 East		
6	5	4	3	172	2
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

25 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	129	28	27	26
31	32	50	33	34	35

25 South			35 East		
6	5	4	3	108	2
7	8	165	9	10	11
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)

Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

123 Tetra Tech installed temporary wells and field water level

143 NMOCD Groundwater map well location



Appendix D

Drill Boring Logs

212C-MD-02820		TETRA TECH		LOG OF BORING BH-2				Page 1 of 1	
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 <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:			
												MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS	
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			-												
			203												
15															
			134												
20														20	

Bottom of borehole at 20.0 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-3															Page 1 of 1												
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																			
WATER LEVEL OBSERVATIONS While Drilling <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:																																							
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		MATERIAL DESCRIPTION										DEPTH (ft)		REMARKS			
																								ExStik		PID		LL		PI									
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						-																																	
						164																																	
15						156																																	
						121																																	
20						97																																	
25																																							
30																																							
Bottom of borehole at 30.0 feet.																																							
<table border="0" style="width:100%;"> <tr> <td style="width:33%; vertical-align: top;"> Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit </td> <td style="width:33%; vertical-align: top;"> Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel </td> <td style="width:33%; vertical-align: top;"> Notes: Surface elevation is an estimated value from Google Earth data. </td> </tr> </table>																									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.												
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-4				Page 1 of 1	
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		DEPTH (ft)	REMARKS
												While Drilling	Upon Completion of Drilling		
			ExStik	PID				LL	PI			REMARKS: While Drilling <u>▽ DRY</u> ft Upon Completion of Drilling <u>▽ DRY</u> ft			
												MATERIAL DESCRIPTION			
5			7370									-SM- SAND: Brown, loose, dry	2		
			2820									-SM- SAND: Brown, loose to medium dense, with Caliche pockets, dry	4		
			300									-- CALICHE: White to light brown, medium stiff, with gravel, dry, moderately cemented			
			210												
10			136									-- CALICHE: Light brown, trace gravel, dry, weakly cemented	9		
15			184												
20			145												
25			80												
30			80										30		
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	
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		DEPTH (ft)	REMARKS
												While Drilling	Upon Completion of Drilling		
			ExStik	PID				LL	PI			While Drilling <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:			
												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										30		
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	
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 <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:		
												MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
5			6580									-SM- SAND: Brown, loose, dry	2	
			6140									-SM- SAND: Brown, loose to medium dense, with Caliche pockets, dry	4	
			655									-- CALICHE: White to light brown, medium stiff, with gravel, dry, moderately cemented	9	
			375											
			318									-- CALICHE: Light brown, trace gravel, dry, weakly cemented		
10														
15			425											
20			265											
25			147											
30			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										
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																	
WATER LEVEL OBSERVATIONS While Drilling <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:																																					
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		MATERIAL DESCRIPTION										DEPTH (ft)	REMARKS		
																								ExStik		PID		LL		PI							
5						-																				-SM- SAND: Brown, loose, dry										1	
						-																				-- CALICHE: White to tan, medium stiff, with gravel, dry										4	
				-																						-SM- SAND: Tan, loose, trace gravel, dry										7	
10						-																				-- CALICHE: White to tan, medium stiff, with abundant gravel, dry										14	
15				-																						-SM- SAND: Light brown, loose, dry										29	
20				-																																	
25				116																																	
30				134																						-SM- SAND: Reddish brown, loose, dry										30	
Bottom of borehole at 30.0 feet.																																					
Sampler Types:																		Operation Types:																Notes:			
Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling BRONCO RELEASE.GPJ ` 9-7-22 ` TT AUSTIN GEOTECH NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT ` `																																					

212C-MD-02820		TETRA TECH		LOG OF BORING BH-8				Page 1 of 1	
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 <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:			
												MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS	
5			-										-SM- SAND: Brown, loose, dry	2	
			8300								-SM- SAND: Brown, soft, with Caliche pockets, dry		4		
			3920								-- CALICHE: White to light brown, with gravel, dry, weakly cemented				
			-												
10			509												
			225												
15			158												
20														20	

Bottom of borehole at 20.0 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-9															Page 1 of 1			
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										
WATER LEVEL OBSERVATIONS While Drilling <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:																														
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		MATERIAL DESCRIPTION		DEPTH (ft)	REMARKS			
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				
						1130																		-SM- SAND: Light brown, loose, dry		29				
						-																		-SM- SAND: Reddish brown, loose, dry		30				
						98																								
						130																								
Bottom of borehole at 30.0 feet.																														
<table border="0" style="width:100%;"> <tr> <td style="width:33%; vertical-align: top;"> Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit </td> <td style="width:33%; vertical-align: top;"> Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel </td> <td style="width:33%; vertical-align: top;"> Notes: Surface elevation is an estimated value from Google Earth data. </td> </tr> </table>																									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.			
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-10															Page 1 of 1								
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															
WATER LEVEL OBSERVATIONS While Drilling ☒ DRY ft Upon Completion of Drilling ☒ DRY ft Remarks:																																			
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		MATERIAL DESCRIPTION DEPTH (ft) REMARKS											
						ExStik		PID								LL		PI																	
5						3800																				-SM- SAND: Brown, loose, dry									
						-																				-- CALICHE: White to tan, medium stiff, with gravel, dry									
						3810																				-SM- SAND: Tan, loose, trace gravel, dry									
						-																				-- CALICHE: White to tan, medium stiff, with abundant gravel, dry									
10						512																													
						709																				-SM- SAND: Light brown, loose, dry									
15						-																													
						158																													
25						172																				-SM- SAND: Reddish brown, loose, dry									
30																																			
Bottom of borehole at 30.0 feet.																																			
<table border="0" style="width:100%;"> <tr> <td style="width:33%;"> Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit </td> <td style="width:33%;"> Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel </td> <td style="width:33%;"> Notes: Surface elevation is an estimated value from Google Earth data. </td> </tr> </table>																									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.								
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-11															Page 1 of 1												
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																			
WATER LEVEL OBSERVATIONS While Drilling <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:																																							
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		MATERIAL DESCRIPTION										DEPTH (ft)		REMARKS			
																								ExStik		PID		LL		PI									
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																														7			
10						95																				-- CALICHE: White to tan, medium stiff, with abundant gravel, dry													
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.																																							
<table border="0" style="width:100%;"> <tr> <td style="width:33%; vertical-align: top;"> Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit </td> <td style="width:33%; vertical-align: top;"> Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel </td> <td style="width:33%; vertical-align: top;"> Notes: Surface elevation is an estimated value from Google Earth data. </td> </tr> </table>																									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.												
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-12															Page 1 of 1										
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																	
WATER LEVEL OBSERVATIONS While Drilling <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:																																					
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		MATERIAL DESCRIPTION										DEPTH (ft)		REMARKS	
						ExStik		PID								LL		PI																			
5						3720																		-SM- SAND: Brown, loose, dry										1			
						-																		-- CALICHE: White to tan, medium stiff, with gravel, dry										-			
						5560																												4			
						-																												7			
10						1100																		-- CALICHE: White to tan, medium stiff, with abundant gravel, dry										10			
																																		14			
15						900																		-SM- SAND: Light brown, loose, dry										15			
																																		20			
20						1311																												25			
																																		30			
25						320																												30			
																																		30			
30						223																		-SM- SAND: Reddish brown, loose, dry										30			
Bottom of borehole at 30.0 feet.																																					
<table border="0" style="width:100%;"> <tr> <td style="width:33%; vertical-align: top;"> Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit </td> <td style="width:33%; vertical-align: top;"> Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel </td> <td style="width:33%; vertical-align: top;"> Notes: Surface elevation is an estimated value from Google Earth data. </td> </tr> </table>																									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.										
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-13	Page 1 of 1
---------------	-------------------	----------------------------	----------------

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		DEPTH (ft)	REMARKS
												While Drilling	Upon Completion of Drilling		
												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			4100									-SM- SAND: Brown, loose, dry	1		
			-									-- CALICHE: White to tan, medium stiff, with gravel, dry			
			3800									-SM- SAND: Tan, loose, trace gravel, dry	4		
			5610										7		
10			-									-- CALICHE: White to tan, medium stiff, with abundant gravel, dry			
15			512									-SM- SAND: Light brown, loose, dry	14		
20			-												
25			325												
30			233									-SM- SAND: Reddish brown, loose, dry	29		
													30		

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-14															Page 1 of 1								
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															
WATER LEVEL OBSERVATIONS While Drilling <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:																																			
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		MATERIAL DESCRIPTION										DEPTH (ft)	REMARKS
																								ExStik		PID		LL		PI					
5						4100																		-SM- SAND: Brown, loose, dry		4									
						-																-- CALICHE: White to tan, soft, with gravel, dry		6											
						3800																-SM- SAND: Brown, loose to medium dense, trace gravel, dry													
						5610																													
10						-																													
						512																													
15						-																													
						325																													
20						-																													
						233																													
25						-																													
						-																													
30						-																													
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-15				Page 1 of 1	
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)	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 <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:					
												MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS			
5	Hand	Hand	3670									-SM- SAND: Brown, loose, dry					
			-												4		
			5010														6
10	Hand	Hand	5610									-SM- SAND: Brown, loose to medium dense, trace gravel, dry					
			7740														
			-														
15	Hand	Hand	-														
20	Hand	Hand	-														
25	Hand	Hand	432														
30	Hand	Hand	253														

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-16															Page 1 of 1								
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															
WATER LEVEL OBSERVATIONS While Drilling <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:																																			
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		MATERIAL DESCRIPTION										DEPTH (ft)	REMARKS
																								ExStik		PID		LL		PI					
5						3590																		-SM- SAND: Brown, loose, dry		4									
						-																-- CALICHE: White to tan, soft, with gravel, dry		6											
10						-																-SM- SAND: Brown, loose to medium dense, trace gravel, dry													
15						-																													
20						674																													
25						308																													
30						124																		30											
Bottom of borehole at 30.0 feet.																																			
Sampler Types:		Split Spoon		Acetate Liner		Shelby		Vane Shear		Bulk Sample		Discrete Sample		Grab Sample		Test Pit		Operation Types:		Mud Rotary		Air Rotary		Continuous Flight Auger		Direct Push		Wash Rotary		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-17			Page 1 of 1	
Project Name: Bronco Water Release Revelation Pond								
Borehole Location: GPS Coordinate: 32.223231°, -103.437691 Surface Elevation: 3476 ft								
Borehole Number: BH-17				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 <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:							
												MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS					
			-										-SM- SAND: Brown, loose, dry						
			843																
			154																4
5																			
			200										-SM- SAND: Brown, loose, with Caliche pockets, dry -- CALICHE: White to light brown, trace gravel, dry, moderately cemented						
																			6
			240																
10													Bottom of borehole at 10.0 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-18				Page 1 of 1	
Project Name: Bronco Water Release Revelation Pond									
Borehole Location: GPS Coordinate: 32.223244°, -103.437230° Surface Elevation: 3474 ft									
Borehole Number: BH-18				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 <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft Remarks:		
												MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
5			-									-SM- SAND: Brown, loose, dry		
			-									-SM- SAND: Brown, loose, with Caliche pockets, dry	4	
			1100											
			167										-- CALICHE: White to light brown, trace gravel, dry, moderately cemented	6
10			126											
Bottom of borehole at 10.0 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	



Appendix E

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.

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	5
Client Sample Results	7
Surrogate Summary	68
QC Sample Results	73
QC Association Summary	93
Lab Chronicle	111
Certification Summary	136
Method Summary	137
Sample Summary	138
Chain of Custody	140
Receipt Checklists	149

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

Definitions/Glossary

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

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 (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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

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 (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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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		5.01		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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

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 (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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

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 (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

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: 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

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: 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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	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

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

		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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

QC Sample Results

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)

Lab Sample ID: 880-18485-1 MS

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33156

Prep Batch: 32949

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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 %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-18485-1 MSD

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33156

Prep Batch: 32949

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
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)	88		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-32950/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33156

Prep Batch: 32950

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	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 %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
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

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33156

Prep Batch: 32950

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
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

Eurofins Midland

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	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	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

Eurofins Midland

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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
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

	MB	MB								
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 11:00	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	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
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

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
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			
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
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

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	
	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	122		70 - 130							

Eurofins Midland

QC Sample Results

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)

Lab Sample ID: LCSD 880-32980/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33501

Prep Batch: 32980

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-18485-41 MS

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33501

Prep Batch: 32980

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-18485-41 MSD

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33501

Prep Batch: 32980

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-32985/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33501

Prep Batch: 32985

	MB	MB								
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 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	

	MB	MB								
Surrogate	%Recovery	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				

Eurofins Midland

QC Sample Results

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)

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

Eurofins Midland

QC Sample Results

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)

Lab Sample ID: 880-18485-61 MSD

Client Sample ID: BH-10 (19'-20')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33501

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	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

Lab Sample ID: MB 880-33069/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33162

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	MB %Recovery	MB Qualifier	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

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33162

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	MB %Recovery	MB Qualifier	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

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33162

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

Eurofins Midland

QC Sample Results

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)

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	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	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

Eurofins Midland

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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
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

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/24/22 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	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
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

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1158		mg/Kg		116	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1315	*+	mg/Kg		132	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
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

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	%Recovery	Qualifier	Limits							
1-Chlorooctane	109		70 - 130							
o-Terphenyl	133	S1+	70 - 130							

Eurofins Midland

QC Sample Results

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)

Lab Sample ID: 890-2796-A-2-D MS

Matrix: Solid

Analysis Batch: 32892

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 32854

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	822.1		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *	999	897.2		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	80		70 - 130						

Lab Sample ID: 890-2796-A-2-E MSD

Matrix: Solid

Analysis Batch: 32892

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 32854

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	830.1		mg/Kg		83	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U *	998	879.7		mg/Kg		86	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	83		70 - 130								
o-Terphenyl	77		70 - 130								

Lab Sample ID: MB 880-32920/1-A

Matrix: Solid

Analysis Batch: 32892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32920

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 09:51	08/25/22 20:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/25/22 20:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/25/22 20:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				08/25/22 09:51	08/25/22 20:24	1
o-Terphenyl	104		70 - 130				08/25/22 09:51	08/25/22 20:24	1

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	789.5		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1000	931.7		mg/Kg		93	70 - 130

Eurofins Midland

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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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	LCSD								
	%Recovery	Qualifier	Limits								
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 Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
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	MS								
	%Recovery	Qualifier	Limits								
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 Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	82		70 - 130								

Eurofins Midland

QC Sample Results

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)

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 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 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
Oil 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 %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
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 %Recovery	LCS Qualifier	Limits
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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 %Recovery	LCSD Qualifier	Limits
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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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

Eurofins Midland

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
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 Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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 %Recovery	MSD Qualifier	Limits								
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 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 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 %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
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 %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	107		70 - 130				
o-Terphenyl	126		70 - 130				

Eurofins Midland

QC Sample Results

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)

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
Surrogate	LCSD %Recovery	LCSD 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	RPD	RPD Limit
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		
Surrogate	MS %Recovery	MS 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
Surrogate	MSD %Recovery	MSD 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

Eurofins Midland

QC Sample Results

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)

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

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
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

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%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		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
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

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	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	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
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

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	107		70 - 130			
o-Terphenyl	89		70 - 130			

Eurofins Midland

QC Sample Results

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)

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	MSD %Recovery	MSD Qualifier	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

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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	RPD	RPD Limit
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	RPD	RPD Limit
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	RPD	RPD Limit
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

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

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 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	

Eurofins Midland

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 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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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	

Eurofins Midland

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 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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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	

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)

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	

Eurofins Midland

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)

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

Eurofins Midland

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: 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	

Eurofins Midland

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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	
LCSD 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	
LCSD 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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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')

Date Collected: 08/22/22 13:30

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-7

Matrix: Solid

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')

Date Collected: 08/22/22 13:40

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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')

Date Collected: 08/22/22 13:50

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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')

Date Collected: 08/22/22 14:00

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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')

Date Collected: 08/22/22 14:40

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-17

Matrix: Solid

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')

Date Collected: 08/22/22 14:50

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 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')

Date Collected: 08/22/22 15:00

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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')

Date Collected: 08/22/22 15:05

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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')

Date Collected: 08/22/22 15:50

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-27

Matrix: Solid

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')

Date Collected: 08/23/22 10:00

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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')

Date Collected: 08/23/22 10:05

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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')

Date Collected: 08/23/22 10:10

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

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 (14'-15')

Date Collected: 08/23/22 12:25

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-51

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 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')

Date Collected: 08/23/22 12:30

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-52

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 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')

Date Collected: 08/23/22 12:35

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-53

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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')

Date Collected: 08/23/22 12:40

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-54

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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')

Date Collected: 08/23/22 14:15

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-67

Matrix: Solid

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')

Date Collected: 08/23/22 14:20

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-68

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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')

Date Collected: 08/23/22 14:25

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-69

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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')

Date Collected: 08/23/22 14:30

Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-70

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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')
Date Collected: 08/23/22 15:40
Date Received: 08/24/22 14:18

Lab Sample ID: 880-18485-81
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 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

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

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

Method Summary

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

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

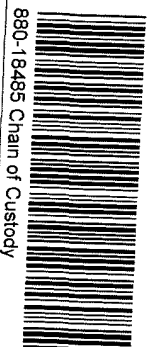
Sample Summary

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

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

880-18485 Chain of Custody

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	SAMPLING		MATRIX		PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS:	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE						
										YEAR 2022					
	BH-16 (0-1')	8/22	1300	X				X				1	N	X	
	BH-16 (2-3')	8/22	1305		X				X			1	N	X	
	BH-16 (4-5')	8/22	1310		X				X			1	N	X	
	BH-16 (6-7')	8/22	1315		X				X			1	N	X	
	BH-16 (9-10')	8/22	1320		X				X			1	N	X	
	BH-16 (14-15')	8/22	1325		X				X			1	N	X	
	BH-16 (19-20')	8/22	1330		X				X			1	N	X	
	BH-16 (24-25')	8/22	1340		X				X			1	N	X	
	BH-16 (29-30')	8/22	1350		X				X			1	N	X	
	BH-15 (0-1')	8/22	1400		X				X			1	N	X	

Relinquished by: <i>Harley Binkley</i>	Date: 08/24/22	Time:	Received by: <i>WAVE</i>	Date: 8/24/22	Time: 14:10
Relinquished by:	Date:	Time:	Received by:	Date:	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	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 O Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.						901 West Wall Street Suite 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946							
Client Name:		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:		Joe Tyler							
Comments:													
LAB # (LAB USE ONLY)		SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS			
				YEAR 2022									
		DATE	TIME	WATER	SOIL	HCL	HNO3	ICE	NONE				
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:		Date	Time	Received by:		Date	Time						
Haley Binkley		08/24/22		[Signature]		8/24/22	14:10						
Relinquished by:		Date	Time	Received by:		Date	Time						
Relinquished by:		Date	Time	Received by:		Date	Time						
ORIGINAL COPY													
(Circle) HAND DELIVERED FEDEX UPS Tracking #													
LAB USE ONLY		REMARKS:		ANALYSIS REQUEST (Circle or Specify Method No.)									
Sample Temperature		Standard		BTEX 8021B BTEX 8260B									
		RUSH 72 hr		TPH TX1005 (Ext to C35)									
		Rush Charges Authorized		TPH 8015M (GRO - DRO ORO - MRO)									
		Special Report Limits or TRRP Report		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

Page 3 of 9

Tetra Tech, Inc.

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

18485

Client Name: Solans

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
(country, state)

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	
		YEAR 2022		WATER	SOIL	HCL	HNO ₃	ICE	NONE		FILTERED (Y/N)
		DATE	TIME								

	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 Goodley* Date: *08/24/22* Time: *08:24*

Relinquished by: *NA* Date: *08/24/22* Time: *14:18*

Relinquished by: Date: Time:

Received by: Date: Time:

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	
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

Sample Temperature

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

Page. 4 of 9

Tetra Tech, Inc.

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

108105

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
YEAR 2022

MATRIX
PRESERVATIVE METHOD

CONTAINERS
FILTERED (Y/N)

DATE
TIME

WATER
SOIL
HCL
HNO₃
ICE
NONE

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

Page 14 of 10

Analysis Request of Chain of Custody Record

Page 5 of 9

**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:

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)	ANALYSIS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		YEAR 2022			WATER	SOIL	HCL	HNO ₃	ICE			NONE	BTX 8021B	TPH TX1005 (Ext to 8000)	TPH 8015M (GRO 8000)	PAH 8270C	Total Metals Ag As B Cd Cr Cu Pb Zn	TCLP Metals Ag As B Cd Cr Cu Pb Zn	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B	GC/MS Semi Vol 8260B	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chlonde 300 0	Chlonde Sulfate	General Water Chem	Anion/Cation Balance	TPH 8015R																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		DATE	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	BH-12 (9-10)	8/23	1120	X			X			1	N	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Relinquished by: *Heidi Binkley*

Date: 08/24/22

Received by: *WMC*

Date: 8/24/2022

Relinquished by:

Date: Time:

Received by:

Date: 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 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

104105

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:

ANALYSIS REQUEST

(Circle or Specify Method No.)

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-11 (14-15)	8/23	1225	X						X	N
	BH-11 (19-20)	8/23	1230	X						X	N
	BH-11 (24-25)	8/23	1235	X						X	N
	BH-11 (29-30)	8/23	1240	X						X	N
	BH-10 (0-1)	8/23	1300	X						X	N
	BH-10 (2-3)	8/23	1305	X						X	N
	BH-10 (4-5)	8/23	1310	X						X	N
	BH-10 (6-7)	8/23	1315	X						X	N
	BH-10 (9-10)	8/23	1320	X						X	N
	BH-10 (14-15)	8/23	1325	X						X	N

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

REMARKS:

☐ Standard

☒ RUSH 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

LAB USE ONLY
Sample Temperature

Relinquished by: <i>Heidi Bunbury</i>	Date: 08/24/22	Time:	Received by: <i>WMC</i>	Date: 08/24/22	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

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
(county, state)

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

YEAR 2022	SAMPLING		DATE	TIME	MATRIX	PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)
	DATE	TIME				WATER	SOIL	HCL	HNO ₃	ICE	NONE	

	BH-10 (19-20')	8/23	1330	X	X							1	N
	BH-10 (24-25')	8/23	1335	X	X							1	N
	BH-10 (29-30')	8/23	1340	X	X							1	N
	BH-09 (0-1')	8/23	1400	X	X							1	N
	BH-09 (2-3')	8/23	1405	X	X							1	N
	BH-09 (4-5')	8/23	1410	X	X							1	N
	BH-09 (6-7')	8/23	1415	X	X							1	N
	BH-09 (9-10')	8/23	1420	X	X							1	N
	BH-09 (14-15')	8/23	1425	X	X							1	N
	BH-09 (19-20')	8/23	1430	X	X							1	N

Relinquished by: *Heidy Binkley*

Date: 8/24/22

Received by: *NA*

Date: 8/24/22

Time: 14:18

Relinquished by:

Date: Time:

Received by:

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	
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

(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

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:

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B / 624	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
																															YEAR 2022																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	BH-09 (24-25)	8/23	1435	X				X		1	N	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Relinquished by: *Paula Sinsburg*

Date: *8/24/22*

Received by: *WAM*

Date: *8/24/22 14:18*

Relinquished by: _____

Date: _____

Date: _____

Time: _____

Relinquished by: _____

Date: _____

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 # _____

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

9/2/2022

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

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.

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

Laboratory Job ID: 880-18561-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	5
Client Sample Results	6
Surrogate Summary	48
QC Sample Results	52
QC Association Summary	65
Lab Chronicle	78
Certification Summary	95
Method Summary	96
Sample Summary	97
Chain of Custody	99
Receipt Checklists	105

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

Definitions/Glossary

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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)

Eurofins Midland

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	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

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	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+

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-33070/3-A	Lab Control Sample Dup	173 S1+	169 S1+
LCSD 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			

QC Sample Results

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)

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	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

Eurofins Midland

QC Sample Results

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)

Lab Sample ID: 880-18561-1 MS

Client Sample ID: BH-06 (0'-1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33586

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

Client Sample ID: BH-06 (0'-1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33586

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

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33649

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

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33649

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

Eurofins Midland

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	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	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

Eurofins Midland

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

	MSD	MSD	
Surrogate	%Recovery	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	MB								
	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 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	%Recovery	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	LCS	LCS					%Rec		
	Added	Result	Qualifier	Unit	D	%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	%Recovery	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	LCSD	LCSD					%Rec		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	92		70 - 130							

Eurofins Midland

QC Sample Results

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)

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

	LCSD	LCSD	
Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	
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	

	MS	MS	
Surrogate	%Recovery	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

	Sample	Sample	Spike	MSD	MSD				%Rec	RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
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

	MSD	MSD	
Surrogate	%Recovery	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

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 17:19	1	
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	

	MB	MB								
Surrogate	%Recovery	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				

Eurofins Midland

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

Eurofins Midland

QC Sample Results

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)

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	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/26/22 14:15	08/28/22 11:13	1
o-Terphenyl	98		70 - 130				08/26/22 14:15	08/28/22 11:13	1

Eurofins Midland

QC Sample Results

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)

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	LCS	LCS	Unit	D	%Rec	%Rec	Limits		
			Added	Result	Qualifier							
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		
										</		

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

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
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		
Surrogate	MS %Recovery	MS 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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<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
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	78		70 - 130								

Eurofins Midland

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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<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							
1-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 Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
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						
1-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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	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							
1-Chlorooctane	178	S1+	70 - 130						
<i>o</i> -Terphenyl	169	S1+	70 - 130						

Eurofins Midland

QC Sample Results

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)

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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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 %Recovery	MS 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 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	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 %Recovery	MSD 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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 Added	LCS Result	LCS Qualifier	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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.1		mg/Kg		101	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

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

Client Sample ID: BH-17 (9'-10')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 33280

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

Client Sample ID: BH-17 (9'-10')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 33280

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

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 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	

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 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

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 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

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 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
LCSD 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	

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 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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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	
LCSD 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
LCSD 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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Lab Chronicle

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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')

Date Collected: 08/24/22 10:40

Date Received: 08/26/22 11:31

Lab Sample ID: 880-18561-14

Matrix: Solid

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')

Date Collected: 08/24/22 10:45

Date Received: 08/26/22 11:31

Lab Sample ID: 880-18561-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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')

Date Collected: 08/24/22 10:50

Date Received: 08/26/22 11:31

Lab Sample ID: 880-18561-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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')

Date Collected: 08/24/22 10:55

Date Received: 08/26/22 11:31

Lab Sample ID: 880-18561-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

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

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

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

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

Analysis Request of Chain of Custody Record

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



Tetra Tech, Inc.

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



880-18561 Chain of Custody

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
(county, state)

Project #: 212C-MID-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

WATER
SOIL
HCL
HNO₃
ICE
NONE

CONTAINERS
FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol 8260B / 624

GC/MS Semi Vol 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride 300 0

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

TPH 8015R

HOLD

Relinquished by: *Joe Tyler*

Received by: *Joe Tyler*

Date: 8/26/22

Time: 11:31

Relinquished by: *Joe Tyler*

Received by: *Joe Tyler*

Date: 8/26/22

Time: 11:31

Relinquished by: *Joe Tyler*

Received by: *Joe Tyler*

Date: 8/26/22

Time: 11:31

Relinquished by: *Joe Tyler*

Received by: *Joe Tyler*

Date: 8/26/22

Time: 11:31

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

0.46/0.8
4.2

REMARKS

☐ Standard

☒ RUSH 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(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

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 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-05 (2-3)	8/24	1025		X			X		1	N
	BH-05 (4-5)	8/24	1030		X			X		1	N
	BH-05 (6-7)	8/24	1035		X			X		1	N
	BH-05 (9-10)	8/24	1040		X			X		1	N
	BH-05 (14-15)	8/24	1045		X			X		1	N
	BH-05 (19-20)	8/24	1050		X			X		1	N
	BH-05 (24-25)	8/24	1055		X			X		1	N
	BH-05 (29-30)	8/24	1100		X			X		1	N
	BH-04 (0-1)	8/24	1110		X			X		1	N
	BH-04 (2-3)	8/24	1115		X			X		1	N

Relinquished by Joe Tyler Date 8-26-22 Received by BLAND 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.)

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

REMARKS

Sample Temperature
0.4/0.8

☐ Standard
☒ RUSH 72 hr
☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

[illegible]

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.						901 West Wall Street, Suite 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946											
Client Name:		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		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-03 (14'-15')		8/24		1215		X		X		X		X		1		N	
BH-03 (19'-20')		8/24		1220		X		X		X		X		1		N	
BH-02 (0'-1')		8/24		1230		X		X		X		X		1		N	
BH-02 (2'-3')		8/24		1235		X		X		X		X		1		N	
BH-02 (4'-5')		8/24		1240		X		X		X		X		1		N	
BH-02 (6'-7')		8/24		1245		X		X		X		X		1		N	
BH-02 (9'-10')		8/24		1250		X		X		X		X		1		N	
BH-02 (14'-15')		8/24		1255		X		X		X		X		1		N	
BH-02 (19'-20')		8/24		1300		X		X		X		X		1		N	
BH-08 (0'-1')		8/24		1400		X		X		X		X		1		N	
Relinquished by		Date		Time		Received by		Date		Time							
Relinquished by		8-26-22				[Signature]		8/26/22		11:31							
Relinquished by		Date		Time		Received by		Date		Time							
Relinquished by																	
Relinquished by		Date		Time		Received by		Date		Time							
Relinquished by																	
ORIGINAL COPY																	
LAB USE ONLY										REMARKS							
Sample Temperature										Standard							
Cup 102										RUSH 72 hr							
										Special Report Limits or TRRP Report							
(Circle) HAND DELIVERED FEDEX UPS Tracking #																	

Analysis Request of Chain of Custody Record

Page 5 of 6

**Tetra Tech, Inc.**901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

18561

Client Name

Solans

Site Manager

Clair Gonzales

Project Name:

Bronco Water Release Revelation Pond

Contact Info

Email Clair Gonzales@tetratech.com
Phone (432) 260-8634Project 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		
	8/24	1405		X			X		1	N
	8/24	1410		X			X		1	N
	8/24	1415		X			X		1	N
	8/24	1420		X			X		1	N
	8/24	1425		X			X		1	N
	8/24	1430		X			X		1	N
	8/24	1500		X			X		1	N
	8/24	1505		X			X		1	N
	8/24	1510		X			X		1	N
	8/24	1515		X			X		1	N

BTEx 8021B BTEx 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol 8260B / 624

GC/MS Semi Vol 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride 300 0

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

TPH 8015R

HOLD

ANALYSIS REQUEST

(Circle or Specify Method No.)

Relinquished by

Date Time

Received by

Date Time

LAB USE ONLY

REMARKS:

☐ Standard☒ RUSH 72 hr☐ Rush Charges Authorized☐ Special Report Limits or TRRP Report

Relinquished by

Date Time

Received by

Date Time

Sample Temperature

C 46/c/s

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

[illegible]

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	



Environment Testing America

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

A handwritten signature in black ink that reads "Jessica Kramer".

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	18
QC Sample Results	20
QC Association Summary	28
Lab Chronicle	33
Certification Summary	39
Method Summary	40
Sample Summary	41
Chain of Custody	42
Receipt Checklists	44

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Tetra Tech, Inc.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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

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-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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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
LCSD 880-33067/2-A	Lab Control Sample Dup	92	103
LCSD 880-33192/2-A	Lab Control Sample Dup	96	99
LCSD 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

Eurofins Midland

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	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

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18561-A-41-A MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33694

Prep Batch: 33067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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-A-41-B MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33694

Prep Batch: 33067

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
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 880-33164/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33341

Prep Batch: 33164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	08/29/22 09:09	08/30/22 16:07	1
1,4-Difluorobenzene (Surr)	114		70 - 130	08/29/22 09:09	08/30/22 16:07	1

Lab Sample ID: MB 880-33192/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 33341

Prep Batch: 33192

Analyte	MB Result	MB 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 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

Eurofins Midland

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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
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 %Recovery	LCS Qualifier	Limits
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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 %Recovery	LCSD Qualifier	Limits
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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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

Eurofins Midland

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

	MS	MS	
Surrogate	%Recovery	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	35
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

	MSD	MSD	
Surrogate	%Recovery	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	1
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

	MB	MB							
Surrogate	%Recovery	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	70 - 130
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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130

Eurofins Midland

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

	LCS	LCS	
Surrogate	%Recovery	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

			Spike	LCS	LCS				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
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

	LCSD	LCSD	
Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		

	MS	MS	
Surrogate	%Recovery	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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Eurofins Midland

QC Sample Results

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)

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 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 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 %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
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 %Recovery	LCS Qualifier	Limits				
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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 %Recovery	LCSD Qualifier	Limits						
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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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

Eurofins Midland

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

	MS	MS	
Surrogate	%Recovery	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

	MSD	MSD	
Surrogate	%Recovery	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

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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

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-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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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')
Date Collected: 08/24/22 12:00
Date Received: 08/26/22 11:31

Lab Sample ID: 880-18562-17
Matrix: Solid

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

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

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

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

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.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

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

Analysis Request of Chain of Custody Record

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



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 FILTERED (Y/N)		
		YEAR 2022			WATER	OIL	CL		NO ₃	E
		DATE	TIME							

	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 Time Received by *[Signature]* Date 8/26/2022 Time 1131

Relinquished by Date Time Received by Date Time

Relinquished by Date Time 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	

HOLD

LAB USE ONLY

REMARKS:

Sample Temperature

C. 6/10.8
t. 2

- ☐ 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

Page 2 of 2

**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) 260-8634Project 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

YEAR 2022

MATRIX

PRESERVATIVE METHOD

CONTAINERS

DATE TIME

WATER
SOIL
HCL
HNO₃
ICE
NONE

FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol 8260B / 624

GC/MS Semi Vol 8270C/625

PCB s 8082 / 608

NORM

PLM (Asbestos)

Chloride 300 0

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

TPH 8015R

HOLD

ANALYSIS REQUEST

(Circle or Specify Method No.)

18564

Relinquished by

Miguel A. Flores

Date Time

8/26/2022

Received by

Miguel A. Flores

Date Time

8/26/2022 11:34

Relinquished by

Date Time

Received by

Date Time

Relinquished by

Date Time

Received by

Date Time

LAB USE ONLY

Sample Temperature

0.4/c.8

REMARKS.

Standard

X 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	



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/5/2023 9:28:29 AM

JOB DESCRIPTION

Bronco Water Release Revelation Pond
SDG NUMBER 212C-MD-02820

JOB NUMBER

890-3919-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

Authorization



Generated
2/5/2023 9:28:29 AM

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

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

Laboratory Job ID: 890-3919-1
SDG: 212C-MD-02820

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	23
QC Sample Results	25
QC Association Summary	35
Lab Chronicle	41
Certification Summary	48
Method Summary	49
Sample Summary	50
Chain of Custody	51
Receipt Checklists	54

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

Definitions/Glossary

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD 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.
▫	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: 890-3919-1
SDG: 212C-MD-02820

Job ID: 890-3919-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3919-1

Receipt

The samples were received on 1/23/2023 3:42 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-12 (0-6') (890-3919-1), H-13 (0-6') (890-3919-2), H-14 (0-6') (890-3919-3), H-15 (0-6') (890-3919-4), H-16 (0-6') (890-3919-5), H-17 (0-6') (890-3919-6), H-18 (0-6') (890-3919-7), AH-1 (0-1') (890-3919-8), AH-1 (1-1.5') (890-3919-9), AH-2 (0-1') (890-3919-10), AH-2 (1-1.5') (890-3919-11), AH-2 (2-2.5') (890-3919-12), AH-2 (3-3.5') (890-3919-13), AH-2 (4-4.5') (890-3919-14), AH-3 (0-1') (890-3919-15), AH-3 (1-1.5') (890-3919-16), AH-4 (0-1') (890-3919-17), AH-4 (1-1.5') (890-3919-18), AH-4 (2-2.5') (890-3919-19), AH-4 (3-3.5') (890-3919-20) and AH-4 (4-4.5') (890-3919-21).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-45266/5-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.

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-45246 and analytical batch 880-45303 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-45247 and analytical batch 880-45439 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: AH-2 (4-4.5') (890-3919-14), AH-4 (1-1.5') (890-3919-18), AH-4 (2-2.5') (890-3919-19) and AH-4 (3-3.5') (890-3919-20). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44789 and 880-44789 and analytical batch 880-44906 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: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: H-12 (0-6')

Lab Sample ID: 890-3919-1

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:47	02/02/23 12:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:47	02/02/23 12:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:47	02/02/23 12:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/02/23 09:47	02/02/23 12:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:47	02/02/23 12:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/02/23 09:47	02/02/23 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/02/23 09:47	02/02/23 12:34	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/02/23 09:47	02/02/23 12:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 11:01	02/04/23 12:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 12:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 12:19	1
Total TPH	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	02/02/23 11:01	02/04/23 12:19	1
o-Terphenyl	92		70 - 130	02/02/23 11:01	02/04/23 12:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.6	F1	4.95		mg/Kg			01/27/23 10:17	1

Client Sample ID: H-13 (0-6')

Lab Sample ID: 890-3919-2

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/23 09:47	02/02/23 12:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/23 09:47	02/02/23 12:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/23 09:47	02/02/23 12:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/23 09:47	02/02/23 12:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/23 09:47	02/02/23 12:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/23 09:47	02/02/23 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/02/23 09:47	02/02/23 12:54	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/02/23 09:47	02/02/23 12:54	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: H-13 (0-6')

Lab Sample ID: 890-3919-2

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 13:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 13:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 13:23	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	02/02/23 11:01	02/04/23 13:23	1
o-Terphenyl	85		70 - 130	02/02/23 11:01	02/04/23 13:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			01/27/23 12:25	1

Client Sample ID: H-14 (0-6')

Lab Sample ID: 890-3919-3

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/02/23 09:47	02/02/23 13:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/02/23 09:47	02/02/23 13:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/02/23 09:47	02/02/23 13:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/02/23 09:47	02/02/23 13:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/02/23 09:47	02/02/23 13:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/02/23 09:47	02/02/23 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/02/23 09:47	02/02/23 13:15	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/02/23 09:47	02/02/23 13:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 11:01	02/04/23 13:43	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: H-14 (0-6')

Lab Sample ID: 890-3919-3

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 13:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 13:43	1
Total TPH	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				02/02/23 11:01	02/04/23 13:43	1
o-Terphenyl	74		70 - 130				02/02/23 11:01	02/04/23 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			01/27/23 12:31	1

Client Sample ID: H-15 (0-6')

Lab Sample ID: 890-3919-4

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:47	02/02/23 13:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:47	02/02/23 13:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:47	02/02/23 13:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/23 09:47	02/02/23 13:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:47	02/02/23 13:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/23 09:47	02/02/23 13:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				02/02/23 09:47	02/02/23 13:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/02/23 09:47	02/02/23 13:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 11:01	02/04/23 14:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 14:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 14:03	1
Total TPH	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/02/23 11:01	02/04/23 14:03	1
o-Terphenyl	77		70 - 130				02/02/23 11:01	02/04/23 14:03	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: H-15 (0-6')

Lab Sample ID: 890-3919-4

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/27/23 12:37	1

Client Sample ID: H-16 (0-6')

Lab Sample ID: 890-3919-5

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:47	02/02/23 13:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:47	02/02/23 13:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:47	02/02/23 13:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/02/23 09:47	02/02/23 13:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:47	02/02/23 13:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/02/23 09:47	02/02/23 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/02/23 09:47	02/02/23 13:56	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/02/23 09:47	02/02/23 13:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 14:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 14:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 14:23	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	02/02/23 11:01	02/04/23 14:23	1
o-Terphenyl	77		70 - 130	02/02/23 11:01	02/04/23 14:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.4		5.00		mg/Kg			01/27/23 12:43	1

Client Sample ID: H-17 (0-6')

Lab Sample ID: 890-3919-6

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/02/23 11:21	02/03/23 01:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/02/23 11:21	02/03/23 01:11	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: H-17 (0-6')

Lab Sample ID: 890-3919-6

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/02/23 11:21	02/03/23 01:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/02/23 11:21	02/03/23 01:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/02/23 11:21	02/03/23 01:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/02/23 11:21	02/03/23 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/02/23 11:21	02/03/23 01:11	1
1,4-Difluorobenzene (Surr)	107		70 - 130				02/02/23 11:21	02/03/23 01:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 14:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 14:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 14:44	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/02/23 11:01	02/04/23 14:44	1
o-Terphenyl	76		70 - 130				02/02/23 11:01	02/04/23 14:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.6		4.96		mg/Kg			01/27/23 13:02	1

Client Sample ID: H-18 (0-6')

Lab Sample ID: 890-3919-7

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/02/23 11:21	02/03/23 01:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/02/23 11:21	02/03/23 01:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/02/23 11:21	02/03/23 01:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/02/23 11:21	02/03/23 01:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/02/23 11:21	02/03/23 01:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/02/23 11:21	02/03/23 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				02/02/23 11:21	02/03/23 01:32	1
1,4-Difluorobenzene (Surr)	110		70 - 130				02/02/23 11:21	02/03/23 01:32	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: H-18 (0-6')

Lab Sample ID: 890-3919-7

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:05	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	02/02/23 11:01	02/04/23 15:05	1
o-Terphenyl	85		70 - 130	02/02/23 11:01	02/04/23 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.97		mg/Kg			01/27/23 13:08	1

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

Lab Sample ID: 890-3919-8

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 01:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 01:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 01:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/23 11:21	02/03/23 01:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 01:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/23 11:21	02/03/23 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/02/23 11:21	02/03/23 01:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/02/23 11:21	02/03/23 01:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:25	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-8

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:25	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				02/02/23 11:01	02/04/23 15:25	1
o-Terphenyl	79		70 - 130				02/02/23 11:01	02/04/23 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		4.98		mg/Kg			01/27/23 13:14	1

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

Lab Sample ID: 890-3919-9

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 02:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 02:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 02:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/23 11:21	02/03/23 02:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 02:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/23 11:21	02/03/23 02:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				02/02/23 11:21	02/03/23 02:12	1
1,4-Difluorobenzene (Surr)	110		70 - 130				02/02/23 11:21	02/03/23 02:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:45	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/02/23 11:01	02/04/23 15:45	1
o-Terphenyl	88		70 - 130				02/02/23 11:01	02/04/23 15:45	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-9

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		5.00		mg/Kg			01/27/23 13:20	1

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

Lab Sample ID: 890-3919-10

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 02:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 02:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 02:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/23 11:21	02/03/23 02:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 02:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/23 11:21	02/03/23 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/02/23 11:21	02/03/23 02:33	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/02/23 11:21	02/03/23 02:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 11:01	02/04/23 16:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 16:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 16:06	1
Total TPH	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	02/02/23 11:01	02/04/23 16:06	1
o-Terphenyl	84		70 - 130	02/02/23 11:01	02/04/23 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		5.05		mg/Kg			01/27/23 13:26	1

Client Sample ID: AH-2 (1-1.5')

Lab Sample ID: 890-3919-11

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/02/23 11:21	02/03/23 02:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/02/23 11:21	02/03/23 02:53	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: AH-2 (1-1.5')

Lab Sample ID: 890-3919-11

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/02/23 11:21	02/03/23 02:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/02/23 11:21	02/03/23 02:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/02/23 11:21	02/03/23 02:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/02/23 11:21	02/03/23 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				02/02/23 11:21	02/03/23 02:53	1
1,4-Difluorobenzene (Surr)	109		70 - 130				02/02/23 11:21	02/03/23 02:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 16:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 16:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 16:47	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				02/02/23 11:01	02/04/23 16:47	1
o-Terphenyl	78		70 - 130				02/02/23 11:01	02/04/23 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7	F1	4.98		mg/Kg			01/27/23 13:32	1

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

Lab Sample ID: 890-3919-12

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 03:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 03:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 03:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/23 11:21	02/03/23 03:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/23 11:21	02/03/23 03:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/23 11:21	02/03/23 03:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				02/02/23 11:21	02/03/23 03:14	1
1,4-Difluorobenzene (Surr)	113		70 - 130				02/02/23 11:21	02/03/23 03:14	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-12

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:07	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	02/02/23 11:01	02/04/23 17:07	1
o-Terphenyl	85		70 - 130	02/02/23 11:01	02/04/23 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		5.05		mg/Kg			01/27/23 13:51	1

Client Sample ID: AH-2 (3-3.5')

Lab Sample ID: 890-3919-13

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 03:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 03:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 03:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/23 11:21	02/03/23 03:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 03:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/23 11:21	02/03/23 03:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/02/23 11:21	02/03/23 03:34	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/02/23 11:21	02/03/23 03:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:27	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: AH-2 (3-3.5')

Lab Sample ID: 890-3919-13

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:27	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				02/02/23 11:01	02/04/23 17:27	1
o-Terphenyl	78		70 - 130				02/02/23 11:01	02/04/23 17:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.4		4.96		mg/Kg			01/27/23 13:57	1

Client Sample ID: AH-2 (4-4.5')

Lab Sample ID: 890-3919-14

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/02/23 11:21	02/03/23 03:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/02/23 11:21	02/03/23 03:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/02/23 11:21	02/03/23 03:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/02/23 11:21	02/03/23 03:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/02/23 11:21	02/03/23 03:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/02/23 11:21	02/03/23 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				02/02/23 11:21	02/03/23 03:54	1
1,4-Difluorobenzene (Surr)	110		70 - 130				02/02/23 11:21	02/03/23 03:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:47	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/02/23 11:01	02/04/23 17:47	1
o-Terphenyl	75		70 - 130				02/02/23 11:01	02/04/23 17:47	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: AH-2 (4-4.5')

Lab Sample ID: 890-3919-14

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.9		5.00		mg/Kg			01/27/23 14:16	1

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

Lab Sample ID: 890-3919-15

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 04:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 04:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 04:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/02/23 11:21	02/03/23 04:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 04:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/02/23 11:21	02/03/23 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/02/23 11:21	02/03/23 04:15	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/02/23 11:21	02/03/23 04:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/03/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 11:01	02/04/23 18:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 18:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 18:07	1
Total TPH	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	02/02/23 11:01	02/04/23 18:07	1
o-Terphenyl	84		70 - 130	02/02/23 11:01	02/04/23 18:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			01/27/23 14:22	1

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

Lab Sample ID: 890-3919-16

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/02/23 13:22	02/02/23 19:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/02/23 13:22	02/02/23 19:12	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-16

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/02/23 13:22	02/02/23 19:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/02/23 13:22	02/02/23 19:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/02/23 13:22	02/02/23 19:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/02/23 13:22	02/02/23 19:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				02/02/23 13:22	02/02/23 19:12	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/02/23 13:22	02/02/23 19:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 18:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 18:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 18:28	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				02/02/23 11:01	02/04/23 18:28	1
o-Terphenyl	80		70 - 130				02/02/23 11:01	02/04/23 18:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.33		4.95		mg/Kg			01/27/23 14:28	1

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

Lab Sample ID: 890-3919-17

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/02/23 13:22	02/02/23 19:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/02/23 13:22	02/02/23 19:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/02/23 13:22	02/02/23 19:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/02/23 13:22	02/02/23 19:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/02/23 13:22	02/02/23 19:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/02/23 13:22	02/02/23 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				02/02/23 13:22	02/02/23 19:38	1
1,4-Difluorobenzene (Surr)	103		70 - 130				02/02/23 13:22	02/02/23 19:38	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-17

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 18:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 18:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 18:48	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	02/02/23 11:01	02/04/23 18:48	1
o-Terphenyl	84		70 - 130	02/02/23 11:01	02/04/23 18:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.5		5.04		mg/Kg			01/27/23 14:34	1

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

Lab Sample ID: 890-3919-18

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 20:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 20:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 20:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/23 13:22	02/02/23 20:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 20:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/23 13:22	02/02/23 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/02/23 13:22	02/02/23 20:03	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/02/23 13:22	02/02/23 20:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 19:09	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-18

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 19:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 19:09	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/02/23 11:01	02/04/23 19:09	1
o-Terphenyl	74		70 - 130				02/02/23 11:01	02/04/23 19:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		5.00		mg/Kg			01/27/23 14:41	1

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

Lab Sample ID: 890-3919-19

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 20:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 20:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 20:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/23 13:22	02/02/23 20:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 20:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/23 13:22	02/02/23 20:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/02/23 13:22	02/02/23 20:30	1
1,4-Difluorobenzene (Surr)	106		70 - 130				02/02/23 13:22	02/02/23 20:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 11:01	02/04/23 19:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 19:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 19:29	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/02/23 11:01	02/04/23 19:29	1
o-Terphenyl	74		70 - 130				02/02/23 11:01	02/04/23 19:29	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-19

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	694		4.99		mg/Kg			01/27/23 14:47	1

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

Lab Sample ID: 890-3919-20

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 13:22	02/02/23 20:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 13:22	02/02/23 20:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 13:22	02/02/23 20:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/23 13:22	02/02/23 20:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 13:22	02/02/23 20:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/23 13:22	02/02/23 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/02/23 13:22	02/02/23 20:55	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/02/23 13:22	02/02/23 20:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/03/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/05/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 11:01	02/04/23 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 19:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 19:49	1
Total TPH	<50.0	U	50.0		mg/Kg		02/02/23 11:01	02/04/23 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	02/02/23 11:01	02/04/23 19:49	1
o-Terphenyl	74		70 - 130	02/02/23 11:01	02/04/23 19:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		4.96		mg/Kg			01/27/23 14:53	1

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

Lab Sample ID: 890-3919-21

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 21:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 21:21	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-21

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 21:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/23 13:22	02/02/23 21:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/23 13:22	02/02/23 21:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/23 13:22	02/02/23 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				02/02/23 13:22	02/02/23 21:21	1
1,4-Difluorobenzene (Surr)	104		70 - 130				02/02/23 13:22	02/02/23 21:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/23 10:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/04/23 09:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 10:56	02/04/23 04:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/04/23 04:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/04/23 04:35	1
Total TPH	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/04/23 04:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/02/23 10:56	02/04/23 04:35	1
o-Terphenyl	82		70 - 130				02/02/23 10:56	02/04/23 04:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	276		25.2		mg/Kg			01/27/23 21:35	5

Eurofins Carlsbad

Surrogate Summary

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-3919-1	H-12 (0-6')	105	110				
890-3919-1 MS	H-12 (0-6')	103	111				
890-3919-1 MSD	H-12 (0-6')	101	113				
890-3919-2	H-13 (0-6')	109	114				
890-3919-3	H-14 (0-6')	108	114				
890-3919-4	H-15 (0-6')	106	99				
890-3919-5	H-16 (0-6')	110	111				
890-3919-6	H-17 (0-6')	108	107				
890-3919-6 MS	H-17 (0-6')	100	110				
890-3919-6 MSD	H-17 (0-6')	100	111				
890-3919-7	H-18 (0-6')	113	110				
890-3919-8	AH-1 (0-1')	106	105				
890-3919-9	AH-1 (1-1.5')	107	110				
890-3919-10	AH-2 (0-1')	108	108				
890-3919-11	AH-2 (1-1.5')	114	109				
890-3919-12	AH-2 (2-2.5')	113	113				
890-3919-13	AH-2 (3-3.5')	112	112				
890-3919-14	AH-2 (4-4.5')	109	110				
890-3919-15	AH-3 (0-1')	112	111				
890-3919-16	AH-3 (1-1.5')	98	97				
890-3919-16 MS	AH-3 (1-1.5')	92	107				
890-3919-16 MSD	AH-3 (1-1.5')	94	109				
890-3919-17	AH-4 (0-1')	115	103				
890-3919-18	AH-4 (1-1.5')	102	99				
890-3919-19	AH-4 (2-2.5')	108	106				
890-3919-20	AH-4 (3-3.5')	117	108				
890-3919-21	AH-4 (4-4.5')	113	104				
LCS 880-45242/1-A	Lab Control Sample	99	114				
LCS 880-45248/1-A	Lab Control Sample	104	113				
LCS 880-45266/1-A	Lab Control Sample	88	107				
LCSD 880-45242/2-A	Lab Control Sample Dup	100	113				
LCSD 880-45248/2-A	Lab Control Sample Dup	102	110				
LCSD 880-45266/2-A	Lab Control Sample Dup	87	104				
MB 880-45242/5-A	Method Blank	105	109				
MB 880-45248/5-A	Method Blank	104	108				
MB 880-45266/5-A	Method Blank	63 S1-	96				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
890-3914-A-1-D MS	Matrix Spike	87	78				
890-3914-A-1-E MSD	Matrix Spike Duplicate	87	78				
890-3919-1	H-12 (0-6')	84	92				

Eurofins Carlsbad

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 890-3919-1

Project/Site: Bronco Water Release Revelation Pond

SDG: 212C-MD-02820

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)
890-3919-1 MS	H-12 (0-6')	90	88
890-3919-1 MSD	H-12 (0-6')	83	79
890-3919-2	H-13 (0-6')	82	85
890-3919-3	H-14 (0-6')	70	74
890-3919-4	H-15 (0-6')	73	77
890-3919-5	H-16 (0-6')	74	77
890-3919-6	H-17 (0-6')	73	76
890-3919-7	H-18 (0-6')	82	85
890-3919-8	AH-1 (0-1')	72	79
890-3919-9	AH-1 (1-1.5')	82	88
890-3919-10	AH-2 (0-1')	78	84
890-3919-11	AH-2 (1-1.5')	71	78
890-3919-12	AH-2 (2-2.5')	79	85
890-3919-13	AH-2 (3-3.5')	70	78
890-3919-14	AH-2 (4-4.5')	69 S1-	75
890-3919-15	AH-3 (0-1')	79	84
890-3919-16	AH-3 (1-1.5')	76	80
890-3919-17	AH-4 (0-1')	78	84
890-3919-18	AH-4 (1-1.5')	69 S1-	74
890-3919-19	AH-4 (2-2.5')	69 S1-	74
890-3919-20	AH-4 (3-3.5')	69 S1-	74
890-3919-21	AH-4 (4-4.5')	79	82
LCS 880-45246/2-A	Lab Control Sample	95	90
LCS 880-45247/2-A	Lab Control Sample	109	115
LCSD 880-45246/3-A	Lab Control Sample Dup	89	86
LCSD 880-45247/3-A	Lab Control Sample Dup	97	100
MB 880-45246/1-A	Method Blank	109	113
MB 880-45247/1-A	Method Blank	84	94

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45242/5-A

Matrix: Solid

Analysis Batch: 45232

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:47	02/02/23 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:47	02/02/23 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:47	02/02/23 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/02/23 09:47	02/02/23 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:47	02/02/23 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/02/23 09:47	02/02/23 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/02/23 09:47	02/02/23 12:05	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/02/23 09:47	02/02/23 12:05	1

Lab Sample ID: LCS 880-45242/1-A

Matrix: Solid

Analysis Batch: 45232

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09517		mg/Kg		95	70 - 130
Toluene	0.100	0.09045		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08892		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1883		mg/Kg		94	70 - 130
o-Xylene	0.100	0.08996		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-45242/2-A

Matrix: Solid

Analysis Batch: 45232

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45242

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1025		mg/Kg		102	70 - 130	7	35
Toluene	0.100	0.09679		mg/Kg		97	70 - 130	7	35
Ethylbenzene	0.100	0.09527		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1990		mg/Kg		99	70 - 130	6	35
o-Xylene	0.100	0.09447		mg/Kg		94	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 890-3919-1 MS

Matrix: Solid

Analysis Batch: 45232

Client Sample ID: H-12 (0-6')

Prep Type: Total/NA

Prep Batch: 45242

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.1051		mg/Kg		104	70 - 130
Toluene	<0.00202	U	0.101	0.1004		mg/Kg		100	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 890-3919-1

Project/Site: Bronco Water Release Revelation Pond

SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-1 MS

Client Sample ID: H-12 (0-6')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 45232

Prep Batch: 45242

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.101	0.1018		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.2142		mg/Kg		106	70 - 130
o-Xylene	<0.00202	U	0.101	0.1021		mg/Kg		101	70 - 130

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

Lab Sample ID: 890-3919-1 MSD

Client Sample ID: H-12 (0-6')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 45232

Prep Batch: 45242

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0996	0.1018		mg/Kg		102	70 - 130	3	35
Toluene	<0.00202	U	0.0996	0.09704		mg/Kg		97	70 - 130	3	35
Ethylbenzene	<0.00202	U	0.0996	0.09789		mg/Kg		98	70 - 130	4	35
m-Xylene & p-Xylene	<0.00404	U	0.199	0.2047		mg/Kg		103	70 - 130	5	35
o-Xylene	<0.00202	U	0.0996	0.09807		mg/Kg		98	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: MB 880-45248/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 45232

Prep Batch: 45248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 00:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 00:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 00:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/02/23 11:21	02/03/23 00:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 11:21	02/03/23 00:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/02/23 11:21	02/03/23 00:42	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/02/23 11:21	02/03/23 00:42	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/02/23 11:21	02/03/23 00:42	1

Lab Sample ID: LCS 880-45248/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 45232

Prep Batch: 45248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1033		mg/Kg		103	70 - 130
Toluene	0.100	0.09840		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09802		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2064		mg/Kg		103	70 - 130

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: LCS 880-45248/1-A

Matrix: Solid

Analysis Batch: 45232

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09982		mg/Kg		100	70 - 130

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

Lab Sample ID: LCSD 880-45248/2-A

Matrix: Solid

Analysis Batch: 45232

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45248

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09860		mg/Kg		99	70 - 130	5	35
Toluene	0.100	0.09527		mg/Kg		95	70 - 130	3	35
Ethylbenzene	0.100	0.09549		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2027		mg/Kg		101	70 - 130	2	35
o-Xylene	0.100	0.09755		mg/Kg		98	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-3919-6 MS

Matrix: Solid

Analysis Batch: 45232

Client Sample ID: H-17 (0-6')

Prep Type: Total/NA

Prep Batch: 45248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.09077		mg/Kg		91	70 - 130
Toluene	<0.00201	U	0.0996	0.08695		mg/Kg		87	70 - 130
Ethylbenzene	<0.00201	U	0.0996	0.08681		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1839		mg/Kg		92	70 - 130
o-Xylene	<0.00201	U	0.0996	0.08892		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-3919-6 MSD

Matrix: Solid

Analysis Batch: 45232

Client Sample ID: H-17 (0-6')

Prep Type: Total/NA

Prep Batch: 45248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09693		mg/Kg		97	70 - 130	7	35
Toluene	<0.00201	U	0.100	0.09034		mg/Kg		90	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.100	0.08962		mg/Kg		89	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1890		mg/Kg		94	70 - 130	3	35
o-Xylene	<0.00201	U	0.100	0.09196		mg/Kg		92	70 - 130	3	35

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-6 MSD

Matrix: Solid

Analysis Batch: 45232

Client Sample ID: H-17 (0-6')

Prep Type: Total/NA

Prep Batch: 45248

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: MB 880-45266/5-A

Matrix: Solid

Analysis Batch: 45278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45266

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 13:22	02/02/23 18:47	1	
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 13:22	02/02/23 18:47	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 13:22	02/02/23 18:47	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/02/23 13:22	02/02/23 18:47	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 13:22	02/02/23 18:47	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/02/23 13:22	02/02/23 18:47	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130				02/02/23 13:22	02/02/23 18:47	1	
1,4-Difluorobenzene (Surr)	96		70 - 130				02/02/23 13:22	02/02/23 18:47	1	

Lab Sample ID: LCS 880-45266/1-A

Matrix: Solid

Analysis Batch: 45278

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45266

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.1088		mg/Kg		109	70 - 130			
Toluene	0.100	0.09587		mg/Kg		96	70 - 130			
Ethylbenzene	0.100	0.09476		mg/Kg		95	70 - 130			
m-Xylene & p-Xylene	0.200	0.1927		mg/Kg		96	70 - 130			
o-Xylene	0.100	0.1001		mg/Kg		100	70 - 130			
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	88		70 - 130							
1,4-Difluorobenzene (Surr)	107		70 - 130							

Lab Sample ID: LCSD 880-45266/2-A

Matrix: Solid

Analysis Batch: 45278

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45266

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09665		mg/Kg		97	70 - 130	12	35	
Toluene	0.100	0.1019		mg/Kg		102	70 - 130	6	35	
Ethylbenzene	0.100	0.1030		mg/Kg		103	70 - 130	8	35	
m-Xylene & p-Xylene	0.200	0.2070		mg/Kg		103	70 - 130	7	35	
o-Xylene	0.100	0.1036		mg/Kg		104	70 - 130	4	35	
	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	87		70 - 130							

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: LCSD 880-45266/2-A

Matrix: Solid

Analysis Batch: 45278

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45266

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

Lab Sample ID: 890-3919-16 MS

Matrix: Solid

Analysis Batch: 45278

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

Prep Type: Total/NA

Prep Batch: 45266

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.100	0.1131		mg/Kg		113	70 - 130	
Toluene	<0.00201	U	0.100	0.1045		mg/Kg		104	70 - 130	
Ethylbenzene	<0.00201	U	0.100	0.1062		mg/Kg		106	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2118		mg/Kg		106	70 - 130	
o-Xylene	<0.00201	U	0.100	0.1032		mg/Kg		103	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-3919-16 MSD

Matrix: Solid

Analysis Batch: 45278

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

Prep Type: Total/NA

Prep Batch: 45266

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00201	U	0.0990	0.1138		mg/Kg		115	70 - 130	1	35	
Toluene	<0.00201	U	0.0990	0.1035		mg/Kg		105	70 - 130	1	35	
Ethylbenzene	<0.00201	U	0.0990	0.1029		mg/Kg		104	70 - 130	3	35	
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2053		mg/Kg		104	70 - 130	3	35	
o-Xylene	<0.00201	U	0.0990	0.1018		mg/Kg		103	70 - 130	1	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-45246/1-A

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45246

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 20:00	1		
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 20:00	1		
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 20:00	1		
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 20:00	1		

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	109		70 - 130	02/02/23 10:56	02/03/23 20:00	1				

Eurofins Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 890-3919-1

Project/Site: Bronco Water Release Revelation Pond

SDG: 212C-MD-02820

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

Lab Sample ID: MB 880-45246/1-A

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45246

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
<i>o</i> -Terphenyl	113		70 - 130	02/02/23 10:56	02/03/23 20:00	1				

Lab Sample ID: LCS 880-45246/2-A

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45246

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			999	939.7		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			999	1084		mg/Kg		108	70 - 130		
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
<i>o</i> -Terphenyl	90		70 - 130								

Lab Sample ID: LCSD 880-45246/3-A

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45246

			Spike	LCSD	LCSD				%Rec			RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10			999	740.5	*1	mg/Kg		74	70 - 130	24	20		
Diesel Range Organics (Over C10-C28)			999	953.5		mg/Kg		95	70 - 130	13	20		
Surrogate	%Recovery	Qualifier	Limits										
1-Chlorooctane	89		70 - 130										
<i>o</i> -Terphenyl	86		70 - 130										

Lab Sample ID: 890-3914-A-1-D MS

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45246

	Sample	Sample	Spike	MS	MS				%Rec				
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits				
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	1000	890.2		mg/Kg		89	70 - 130				
Diesel Range Organics (Over C10-C28)	58.1		1000	981.4		mg/Kg		92	70 - 130				
Surrogate	%Recovery	Qualifier	Limits										
1-Chlorooctane	87		70 - 130										
<i>o</i> -Terphenyl	78		70 - 130										

Eurofins Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 890-3919-1

Project/Site: Bronco Water Release Revelation Pond

SDG: 212C-MD-02820

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

Lab Sample ID: 890-3914-A-1-E MSD

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	998	893.0		mg/Kg		89	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	58.1		998	984.9		mg/Kg		93	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	78		70 - 130								

Lab Sample ID: MB 880-45247/1-A

Matrix: Solid

Analysis Batch: 45439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 09:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 09:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 09:45	1
Total TPH	<49.9	U	49.9		mg/Kg		02/02/23 11:01	02/04/23 09:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				02/02/23 11:01	02/04/23 09:45	1
o-Terphenyl	94		70 - 130				02/02/23 11:01	02/04/23 09:45	1

Lab Sample ID: LCS 880-45247/2-A

Matrix: Solid

Analysis Batch: 45439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	999	997.4		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	999	1256		mg/Kg		126	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: LCSD 880-45247/3-A

Matrix: Solid

Analysis Batch: 45439

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45247

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	787.4	*1	mg/Kg		79	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	999	1098		mg/Kg		110	70 - 130	13	20

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Lab Sample ID: LCSD 880-45247/3-A

Matrix: Solid

Analysis Batch: 45439

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45247

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-3919-1 MS

Matrix: Solid

Analysis Batch: 45439

Client Sample ID: H-12 (0-6')

Prep Type: Total/NA

Prep Batch: 45247

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	1000	937.5		mg/Kg		91	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1134		mg/Kg		112	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	90		70 - 130							
o-Terphenyl	88		70 - 130							

Lab Sample ID: 890-3919-1 MSD

Matrix: Solid

Analysis Batch: 45439

Client Sample ID: H-12 (0-6')

Prep Type: Total/NA

Prep Batch: 45247

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	998	802.7		mg/Kg		78	70 - 130	15	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1012		mg/Kg		100	70 - 130	11	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	83		70 - 130									
o-Terphenyl	79		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44789/1-A

Matrix: Solid

Analysis Batch: 44906

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			01/27/23 09:59	1	

Lab Sample ID: LCS 880-44789/2-A

Matrix: Solid

Analysis Batch: 44906

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	265.5		mg/Kg		106	90 - 110		

Eurofins Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 890-3919-1

Project/Site: Bronco Water Release Revelation Pond

SDG: 212C-MD-02820

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-44789/3-A

Matrix: Solid

Analysis Batch: 44906

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	265.2		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-3919-1 MS

Matrix: Solid

Analysis Batch: 44906

Client Sample ID: H-12 (0-6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	47.6	F1	248	326.8	F1	mg/Kg		113	90 - 110		

Lab Sample ID: 890-3919-1 MSD

Matrix: Solid

Analysis Batch: 44906

Client Sample ID: H-12 (0-6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	47.6	F1	248	326.5	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 890-3919-11 MS

Matrix: Solid

Analysis Batch: 44906

Client Sample ID: AH-2 (1-1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.7	F1	249	306.3	F1	mg/Kg		118	90 - 110		

Lab Sample ID: 890-3919-11 MSD

Matrix: Solid

Analysis Batch: 44906

Client Sample ID: AH-2 (1-1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.7	F1	249	300.1	F1	mg/Kg		115	90 - 110	2	20

Lab Sample ID: MB 880-44790/1-A

Matrix: Solid

Analysis Batch: 44922

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			01/27/23 21:21	1

Lab Sample ID: LCS 880-44790/2-A

Matrix: Solid

Analysis Batch: 44922

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	265.2		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-44790/3-A

Matrix: Solid

Analysis Batch: 44922

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	265.6		mg/Kg		106	90 - 110	0	20

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3919-21 MS										Client Sample ID: AH-4 (4-4.5')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 44922													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	276		1260	1656		mg/Kg		110	90 - 110				

Lab Sample ID: 890-3919-21 MSD										Client Sample ID: AH-4 (4-4.5')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 44922													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	276		1260	1643		mg/Kg		108	90 - 110	1	20		

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 890-3919-1

Project/Site: Bronco Water Release Revelation Pond

SDG: 212C-MD-02820

GC VOA

Analysis Batch: 45232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-1	H-12 (0-6')	Total/NA	Solid	8021B	45242
890-3919-2	H-13 (0-6')	Total/NA	Solid	8021B	45242
890-3919-3	H-14 (0-6')	Total/NA	Solid	8021B	45242
890-3919-4	H-15 (0-6')	Total/NA	Solid	8021B	45242
890-3919-5	H-16 (0-6')	Total/NA	Solid	8021B	45242
890-3919-6	H-17 (0-6')	Total/NA	Solid	8021B	45248
890-3919-7	H-18 (0-6')	Total/NA	Solid	8021B	45248
890-3919-8	AH-1 (0-1')	Total/NA	Solid	8021B	45248
890-3919-9	AH-1 (1-1.5')	Total/NA	Solid	8021B	45248
890-3919-10	AH-2 (0-1')	Total/NA	Solid	8021B	45248
890-3919-11	AH-2 (1-1.5')	Total/NA	Solid	8021B	45248
890-3919-12	AH-2 (2-2.5')	Total/NA	Solid	8021B	45248
890-3919-13	AH-2 (3-3.5')	Total/NA	Solid	8021B	45248
890-3919-14	AH-2 (4-4.5')	Total/NA	Solid	8021B	45248
890-3919-15	AH-3 (0-1')	Total/NA	Solid	8021B	45248
MB 880-45242/5-A	Method Blank	Total/NA	Solid	8021B	45242
MB 880-45248/5-A	Method Blank	Total/NA	Solid	8021B	45248
LCS 880-45242/1-A	Lab Control Sample	Total/NA	Solid	8021B	45242
LCS 880-45248/1-A	Lab Control Sample	Total/NA	Solid	8021B	45248
LCSD 880-45242/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45242
LCSD 880-45248/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45248
890-3919-1 MS	H-12 (0-6')	Total/NA	Solid	8021B	45242
890-3919-1 MSD	H-12 (0-6')	Total/NA	Solid	8021B	45242
890-3919-6 MS	H-17 (0-6')	Total/NA	Solid	8021B	45248
890-3919-6 MSD	H-17 (0-6')	Total/NA	Solid	8021B	45248

Prep Batch: 45242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-1	H-12 (0-6')	Total/NA	Solid	5035	
890-3919-2	H-13 (0-6')	Total/NA	Solid	5035	
890-3919-3	H-14 (0-6')	Total/NA	Solid	5035	
890-3919-4	H-15 (0-6')	Total/NA	Solid	5035	
890-3919-5	H-16 (0-6')	Total/NA	Solid	5035	
MB 880-45242/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45242/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45242/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3919-1 MS	H-12 (0-6')	Total/NA	Solid	5035	
890-3919-1 MSD	H-12 (0-6')	Total/NA	Solid	5035	

Prep Batch: 45248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-6	H-17 (0-6')	Total/NA	Solid	5035	
890-3919-7	H-18 (0-6')	Total/NA	Solid	5035	
890-3919-8	AH-1 (0-1')	Total/NA	Solid	5035	
890-3919-9	AH-1 (1-1.5')	Total/NA	Solid	5035	
890-3919-10	AH-2 (0-1')	Total/NA	Solid	5035	
890-3919-11	AH-2 (1-1.5')	Total/NA	Solid	5035	
890-3919-12	AH-2 (2-2.5')	Total/NA	Solid	5035	
890-3919-13	AH-2 (3-3.5')	Total/NA	Solid	5035	
890-3919-14	AH-2 (4-4.5')	Total/NA	Solid	5035	
890-3919-15	AH-3 (0-1')	Total/NA	Solid	5035	

Eurofins Carlsbad

QC Association Summary

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

GC VOA (Continued)

Prep Batch: 45248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45248/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45248/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45248/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3919-6 MS	H-17 (0-6')	Total/NA	Solid	5035	
890-3919-6 MSD	H-17 (0-6')	Total/NA	Solid	5035	

Prep Batch: 45266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-16	AH-3 (1-1.5')	Total/NA	Solid	5035	
890-3919-17	AH-4 (0-1')	Total/NA	Solid	5035	
890-3919-18	AH-4 (1-1.5')	Total/NA	Solid	5035	
890-3919-19	AH-4 (2-2.5')	Total/NA	Solid	5035	
890-3919-20	AH-4 (3-3.5')	Total/NA	Solid	5035	
890-3919-21	AH-4 (4-4.5')	Total/NA	Solid	5035	
MB 880-45266/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45266/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45266/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3919-16 MS	AH-3 (1-1.5')	Total/NA	Solid	5035	
890-3919-16 MSD	AH-3 (1-1.5')	Total/NA	Solid	5035	

Analysis Batch: 45278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-16	AH-3 (1-1.5')	Total/NA	Solid	8021B	45266
890-3919-17	AH-4 (0-1')	Total/NA	Solid	8021B	45266
890-3919-18	AH-4 (1-1.5')	Total/NA	Solid	8021B	45266
890-3919-19	AH-4 (2-2.5')	Total/NA	Solid	8021B	45266
890-3919-20	AH-4 (3-3.5')	Total/NA	Solid	8021B	45266
890-3919-21	AH-4 (4-4.5')	Total/NA	Solid	8021B	45266
MB 880-45266/5-A	Method Blank	Total/NA	Solid	8021B	45266
LCS 880-45266/1-A	Lab Control Sample	Total/NA	Solid	8021B	45266
LCSD 880-45266/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45266
890-3919-16 MS	AH-3 (1-1.5')	Total/NA	Solid	8021B	45266
890-3919-16 MSD	AH-3 (1-1.5')	Total/NA	Solid	8021B	45266

Analysis Batch: 45342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-1	H-12 (0-6')	Total/NA	Solid	Total BTEX	
890-3919-2	H-13 (0-6')	Total/NA	Solid	Total BTEX	
890-3919-3	H-14 (0-6')	Total/NA	Solid	Total BTEX	
890-3919-4	H-15 (0-6')	Total/NA	Solid	Total BTEX	
890-3919-5	H-16 (0-6')	Total/NA	Solid	Total BTEX	
890-3919-6	H-17 (0-6')	Total/NA	Solid	Total BTEX	
890-3919-7	H-18 (0-6')	Total/NA	Solid	Total BTEX	
890-3919-8	AH-1 (0-1')	Total/NA	Solid	Total BTEX	
890-3919-9	AH-1 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3919-10	AH-2 (0-1')	Total/NA	Solid	Total BTEX	
890-3919-11	AH-2 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3919-12	AH-2 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3919-13	AH-2 (3-3.5')	Total/NA	Solid	Total BTEX	
890-3919-14	AH-2 (4-4.5')	Total/NA	Solid	Total BTEX	
890-3919-15	AH-3 (0-1')	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

GC VOA (Continued)

Analysis Batch: 45342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-16	AH-3 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3919-17	AH-4 (0-1')	Total/NA	Solid	Total BTEX	
890-3919-18	AH-4 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3919-19	AH-4 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3919-20	AH-4 (3-3.5')	Total/NA	Solid	Total BTEX	
890-3919-21	AH-4 (4-4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-21	AH-4 (4-4.5')	Total/NA	Solid	8015NM Prep	
MB 880-45246/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45246/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3914-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3914-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 45247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-1	H-12 (0-6')	Total/NA	Solid	8015NM Prep	
890-3919-2	H-13 (0-6')	Total/NA	Solid	8015NM Prep	
890-3919-3	H-14 (0-6')	Total/NA	Solid	8015NM Prep	
890-3919-4	H-15 (0-6')	Total/NA	Solid	8015NM Prep	
890-3919-5	H-16 (0-6')	Total/NA	Solid	8015NM Prep	
890-3919-6	H-17 (0-6')	Total/NA	Solid	8015NM Prep	
890-3919-7	H-18 (0-6')	Total/NA	Solid	8015NM Prep	
890-3919-8	AH-1 (0-1')	Total/NA	Solid	8015NM Prep	
890-3919-9	AH-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3919-10	AH-2 (0-1')	Total/NA	Solid	8015NM Prep	
890-3919-11	AH-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3919-12	AH-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3919-13	AH-2 (3-3.5')	Total/NA	Solid	8015NM Prep	
890-3919-14	AH-2 (4-4.5')	Total/NA	Solid	8015NM Prep	
890-3919-15	AH-3 (0-1')	Total/NA	Solid	8015NM Prep	
890-3919-16	AH-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3919-17	AH-4 (0-1')	Total/NA	Solid	8015NM Prep	
890-3919-18	AH-4 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3919-19	AH-4 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3919-20	AH-4 (3-3.5')	Total/NA	Solid	8015NM Prep	
MB 880-45247/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45247/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45247/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3919-1 MS	H-12 (0-6')	Total/NA	Solid	8015NM Prep	
890-3919-1 MSD	H-12 (0-6')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-21	AH-4 (4-4.5')	Total/NA	Solid	8015B NM	45246
MB 880-45246/1-A	Method Blank	Total/NA	Solid	8015B NM	45246
LCS 880-45246/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45246

Eurofins Carlsbad

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 890-3919-1

Project/Site: Bronco Water Release Revelation Pond

SDG: 212C-MD-02820

GC Semi VOA (Continued)

Analysis Batch: 45303 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-45246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45246
890-3914-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	45246
890-3914-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	45246

Analysis Batch: 45439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-1	H-12 (0-6')	Total/NA	Solid	8015B NM	45247
890-3919-2	H-13 (0-6')	Total/NA	Solid	8015B NM	45247
890-3919-3	H-14 (0-6')	Total/NA	Solid	8015B NM	45247
890-3919-4	H-15 (0-6')	Total/NA	Solid	8015B NM	45247
890-3919-5	H-16 (0-6')	Total/NA	Solid	8015B NM	45247
890-3919-6	H-17 (0-6')	Total/NA	Solid	8015B NM	45247
890-3919-7	H-18 (0-6')	Total/NA	Solid	8015B NM	45247
890-3919-8	AH-1 (0-1')	Total/NA	Solid	8015B NM	45247
890-3919-9	AH-1 (1-1.5')	Total/NA	Solid	8015B NM	45247
890-3919-10	AH-2 (0-1')	Total/NA	Solid	8015B NM	45247
890-3919-11	AH-2 (1-1.5')	Total/NA	Solid	8015B NM	45247
890-3919-12	AH-2 (2-2.5')	Total/NA	Solid	8015B NM	45247
890-3919-13	AH-2 (3-3.5')	Total/NA	Solid	8015B NM	45247
890-3919-14	AH-2 (4-4.5')	Total/NA	Solid	8015B NM	45247
890-3919-15	AH-3 (0-1')	Total/NA	Solid	8015B NM	45247
890-3919-16	AH-3 (1-1.5')	Total/NA	Solid	8015B NM	45247
890-3919-17	AH-4 (0-1')	Total/NA	Solid	8015B NM	45247
890-3919-18	AH-4 (1-1.5')	Total/NA	Solid	8015B NM	45247
890-3919-19	AH-4 (2-2.5')	Total/NA	Solid	8015B NM	45247
890-3919-20	AH-4 (3-3.5')	Total/NA	Solid	8015B NM	45247
MB 880-45247/1-A	Method Blank	Total/NA	Solid	8015B NM	45247
LCS 880-45247/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45247
LCSD 880-45247/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45247
890-3919-1 MS	H-12 (0-6')	Total/NA	Solid	8015B NM	45247
890-3919-1 MSD	H-12 (0-6')	Total/NA	Solid	8015B NM	45247

Analysis Batch: 45451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-1	H-12 (0-6')	Total/NA	Solid	8015 NM	
890-3919-2	H-13 (0-6')	Total/NA	Solid	8015 NM	
890-3919-3	H-14 (0-6')	Total/NA	Solid	8015 NM	
890-3919-4	H-15 (0-6')	Total/NA	Solid	8015 NM	
890-3919-5	H-16 (0-6')	Total/NA	Solid	8015 NM	
890-3919-6	H-17 (0-6')	Total/NA	Solid	8015 NM	
890-3919-7	H-18 (0-6')	Total/NA	Solid	8015 NM	
890-3919-8	AH-1 (0-1')	Total/NA	Solid	8015 NM	
890-3919-9	AH-1 (1-1.5')	Total/NA	Solid	8015 NM	
890-3919-10	AH-2 (0-1')	Total/NA	Solid	8015 NM	
890-3919-11	AH-2 (1-1.5')	Total/NA	Solid	8015 NM	
890-3919-12	AH-2 (2-2.5')	Total/NA	Solid	8015 NM	
890-3919-13	AH-2 (3-3.5')	Total/NA	Solid	8015 NM	
890-3919-14	AH-2 (4-4.5')	Total/NA	Solid	8015 NM	
890-3919-15	AH-3 (0-1')	Total/NA	Solid	8015 NM	
890-3919-16	AH-3 (1-1.5')	Total/NA	Solid	8015 NM	
890-3919-17	AH-4 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

GC Semi VOA (Continued)

Analysis Batch: 45451 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-18	AH-4 (1-1.5')	Total/NA	Solid	8015 NM	
890-3919-19	AH-4 (2-2.5')	Total/NA	Solid	8015 NM	
890-3919-20	AH-4 (3-3.5')	Total/NA	Solid	8015 NM	
890-3919-21	AH-4 (4-4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-1	H-12 (0-6')	Soluble	Solid	DI Leach	
890-3919-2	H-13 (0-6')	Soluble	Solid	DI Leach	
890-3919-3	H-14 (0-6')	Soluble	Solid	DI Leach	
890-3919-4	H-15 (0-6')	Soluble	Solid	DI Leach	
890-3919-5	H-16 (0-6')	Soluble	Solid	DI Leach	
890-3919-6	H-17 (0-6')	Soluble	Solid	DI Leach	
890-3919-7	H-18 (0-6')	Soluble	Solid	DI Leach	
890-3919-8	AH-1 (0-1')	Soluble	Solid	DI Leach	
890-3919-9	AH-1 (1-1.5')	Soluble	Solid	DI Leach	
890-3919-10	AH-2 (0-1')	Soluble	Solid	DI Leach	
890-3919-11	AH-2 (1-1.5')	Soluble	Solid	DI Leach	
890-3919-12	AH-2 (2-2.5')	Soluble	Solid	DI Leach	
890-3919-13	AH-2 (3-3.5')	Soluble	Solid	DI Leach	
890-3919-14	AH-2 (4-4.5')	Soluble	Solid	DI Leach	
890-3919-15	AH-3 (0-1')	Soluble	Solid	DI Leach	
890-3919-16	AH-3 (1-1.5')	Soluble	Solid	DI Leach	
890-3919-17	AH-4 (0-1')	Soluble	Solid	DI Leach	
890-3919-18	AH-4 (1-1.5')	Soluble	Solid	DI Leach	
890-3919-19	AH-4 (2-2.5')	Soluble	Solid	DI Leach	
890-3919-20	AH-4 (3-3.5')	Soluble	Solid	DI Leach	
MB 880-44789/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44789/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44789/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3919-1 MS	H-12 (0-6')	Soluble	Solid	DI Leach	
890-3919-1 MSD	H-12 (0-6')	Soluble	Solid	DI Leach	
890-3919-11 MS	AH-2 (1-1.5')	Soluble	Solid	DI Leach	
890-3919-11 MSD	AH-2 (1-1.5')	Soluble	Solid	DI Leach	

Leach Batch: 44790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-21	AH-4 (4-4.5')	Soluble	Solid	DI Leach	
MB 880-44790/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44790/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44790/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3919-21 MS	AH-4 (4-4.5')	Soluble	Solid	DI Leach	
890-3919-21 MSD	AH-4 (4-4.5')	Soluble	Solid	DI Leach	

Analysis Batch: 44906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-1	H-12 (0-6')	Soluble	Solid	300.0	44789
890-3919-2	H-13 (0-6')	Soluble	Solid	300.0	44789
890-3919-3	H-14 (0-6')	Soluble	Solid	300.0	44789

Eurofins Carlsbad

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 890-3919-1

Project/Site: Bronco Water Release Revelation Pond

SDG: 212C-MD-02820

HPLC/IC (Continued)

Analysis Batch: 44906 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-4	H-15 (0-6')	Soluble	Solid	300.0	44789
890-3919-5	H-16 (0-6')	Soluble	Solid	300.0	44789
890-3919-6	H-17 (0-6')	Soluble	Solid	300.0	44789
890-3919-7	H-18 (0-6')	Soluble	Solid	300.0	44789
890-3919-8	AH-1 (0-1')	Soluble	Solid	300.0	44789
890-3919-9	AH-1 (1-1.5')	Soluble	Solid	300.0	44789
890-3919-10	AH-2 (0-1')	Soluble	Solid	300.0	44789
890-3919-11	AH-2 (1-1.5')	Soluble	Solid	300.0	44789
890-3919-12	AH-2 (2-2.5')	Soluble	Solid	300.0	44789
890-3919-13	AH-2 (3-3.5')	Soluble	Solid	300.0	44789
890-3919-14	AH-2 (4-4.5')	Soluble	Solid	300.0	44789
890-3919-15	AH-3 (0-1')	Soluble	Solid	300.0	44789
890-3919-16	AH-3 (1-1.5')	Soluble	Solid	300.0	44789
890-3919-17	AH-4 (0-1')	Soluble	Solid	300.0	44789
890-3919-18	AH-4 (1-1.5')	Soluble	Solid	300.0	44789
890-3919-19	AH-4 (2-2.5')	Soluble	Solid	300.0	44789
890-3919-20	AH-4 (3-3.5')	Soluble	Solid	300.0	44789
MB 880-44789/1-A	Method Blank	Soluble	Solid	300.0	44789
LCS 880-44789/2-A	Lab Control Sample	Soluble	Solid	300.0	44789
LCSD 880-44789/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44789
890-3919-1 MS	H-12 (0-6')	Soluble	Solid	300.0	44789
890-3919-1 MSD	H-12 (0-6')	Soluble	Solid	300.0	44789
890-3919-11 MS	AH-2 (1-1.5')	Soluble	Solid	300.0	44789
890-3919-11 MSD	AH-2 (1-1.5')	Soluble	Solid	300.0	44789

Analysis Batch: 44922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3919-21	AH-4 (4-4.5')	Soluble	Solid	300.0	44790
MB 880-44790/1-A	Method Blank	Soluble	Solid	300.0	44790
LCS 880-44790/2-A	Lab Control Sample	Soluble	Solid	300.0	44790
LCSD 880-44790/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44790
890-3919-21 MS	AH-4 (4-4.5')	Soluble	Solid	300.0	44790
890-3919-21 MSD	AH-4 (4-4.5')	Soluble	Solid	300.0	44790

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: H-12 (0-6')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	45242	02/02/23 09:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/02/23 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 12:19	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 10:17	CH	EET MID

Client Sample ID: H-13 (0-6')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45242	02/02/23 09:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/02/23 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 13:23	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 12:25	CH	EET MID

Client Sample ID: H-14 (0-6')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	45242	02/02/23 09:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/02/23 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 13:43	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 12:31	CH	EET MID

Client Sample ID: H-15 (0-6')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45242	02/02/23 09:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/02/23 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: H-15 (0-6')

Lab Sample ID: 890-3919-4

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 14:03	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 12:37	CH	EET MID

Client Sample ID: H-16 (0-6')

Lab Sample ID: 890-3919-5

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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	45242	02/02/23 09:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/02/23 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 14:23	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 12:43	CH	EET MID

Client Sample ID: H-17 (0-6')

Lab Sample ID: 890-3919-6

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 14:44	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 13:02	CH	EET MID

Client Sample ID: H-18 (0-6')

Lab Sample ID: 890-3919-7

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 01:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 15:05	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: H-18 (0-6')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-7
Matrix: Solid

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	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 13:08	CH	EET MID

Client Sample ID: AH-1 (0-1')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 15:25	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 13:14	CH	EET MID

Client Sample ID: AH-1 (1-1.5')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 15:45	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 13:20	CH	EET MID

Client Sample ID: AH-2 (0-1')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 16:06	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 13:26	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: AH-2 (1-1.5')

Lab Sample ID: 890-3919-11

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 16:47	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 13:32	CH	EET MID

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

Lab Sample ID: 890-3919-12

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 03:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 17:07	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 13:51	CH	EET MID

Client Sample ID: AH-2 (3-3.5')

Lab Sample ID: 890-3919-13

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 17:27	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 13:57	CH	EET MID

Client Sample ID: AH-2 (4-4.5')

Lab Sample ID: 890-3919-14

Date Collected: 01/20/23 12:00

Matrix: Solid

Date Received: 01/23/23 15:42

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	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 03:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: AH-2 (4-4.5')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-14
Matrix: Solid

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			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 17:47	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 14:16	CH	EET MID

Client Sample ID: AH-3 (0-1')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45248	02/02/23 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45232	02/03/23 04:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 18:07	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 14:22	CH	EET MID

Client Sample ID: AH-3 (1-1.5')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	45266	02/02/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45278	02/02/23 19:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 18:28	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 14:28	CH	EET MID

Client Sample ID: AH-4 (0-1')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	45266	02/02/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45278	02/02/23 19:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 18:48	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: AH-4 (0-1')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-17
Matrix: Solid

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	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 14:34	CH	EET MID

Client Sample ID: AH-4 (1-1.5')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45266	02/02/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45278	02/02/23 20:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 19:09	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 14:41	CH	EET MID

Client Sample ID: AH-4 (2-2.5')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45266	02/02/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45278	02/02/23 20:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 19:29	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 14:47	CH	EET MID

Client Sample ID: AH-4 (3-3.5')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45266	02/02/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45278	02/02/23 20:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/05/23 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45247	02/02/23 11:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45439	02/04/23 19:49	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44789	01/26/23 08:28	CH	EET MID
Soluble	Analysis	300.0		1			44906	01/27/23 14:53	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

Client Sample ID: AH-4 (4-4.5')
Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45266	02/02/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45278	02/02/23 21:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45342	02/03/23 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45451	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/04/23 04:35	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44790	01/26/23 08:29	CH	EET MID
Soluble	Analysis	300.0		5			44922	01/27/23 21:35	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: 890-3919-1
SDG: 212C-MD-02820

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

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

Job ID: 890-3919-1
SDG: 212C-MD-02820

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.

Job ID: 890-3919-1

Project/Site: Bronco Water Release Revelation Pond

SDG: 212C-MD-02820

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3919-1	H-12 (0-6')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-2	H-13 (0-6')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-3	H-14 (0-6')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-4	H-15 (0-6')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-5	H-16 (0-6')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-6	H-17 (0-6')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-7	H-18 (0-6')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-8	AH-1 (0-1')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-9	AH-1 (1-1.5')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-10	AH-2 (0-1')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-11	AH-2 (1-1.5')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-12	AH-2 (2-2.5')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-13	AH-2 (3-3.5')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-14	AH-2 (4-4.5')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-15	AH-3 (0-1')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-16	AH-3 (1-1.5')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-17	AH-4 (0-1')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-18	AH-4 (1-1.5')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-19	AH-4 (2-2.5')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-20	AH-4 (3-3.5')	Solid	01/20/23 12:00	01/23/23 15:42
890-3919-21	AH-4 (4-4.5')	Solid	01/20/23 12:00	01/23/23 15:42

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

Midland, Texas 79705
Tel (432) 682-4559

890-3919 Chain of Custody



Page 1 of 3

[illegible]

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

3011 West Street, Suite 100
Midland, Texas 79706
Tel (432) 682-4559
Fax (432) 682-3958

Client Name: Solaris Water Midstream		Site Manager: Brittany Long	
Project Name: Bronco Water Release Revelation Pond		Project #: 212C-MD-02820	
Project Location: Lea County, New Mexico		Project #: 212C-MD-02820	
Invoice to: Tetra Tech, Inc.		Sampler Signature: Peyton Oliver	
Receiving Laboratory: Eurofins Xenco		Comments: Brittany.Long@tetratech.com	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)		
		DATE	TIME		WATER	SOIL	HCL	HNO ₃	ICE			None	
													YEAR: 2020
	AH-2 (1-1.5')	1/20/2023		X				X					X
	AH-2 (2-2.5')	1/20/2023		X				X					X
	AH-2 (3-3.5')	1/20/2023		X				X					X
	AH-2 (4-4.5')	1/20/2023		X				X					X
	AH-3 (0-1')	1/20/2023		X				X					X
	AH-3 (1-1.5')	1/20/2023		X				X					X
	AH-4 (0-1')	1/20/2023		X				X					X
	AH-4 (1-1.5')	1/20/2023		X				X					X
	AH-4 (2-2.5')	1/20/2023		X				X					X
	AH-4 (3-3.5')	1/20/2023		X				X					X

Relinquished by: <i>[Signature]</i>	Date: 1/23/23	Time: 1546	Received by: <i>[Signature]</i>	Date: 1/23/23	Time: 1546
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

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

Sample Temperature: 51.6/4.8	REMARKS:
-0.2	
FM 007	

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

SOUTH WEST STREET, Suite 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

Solaris Water Midstream

Site Manager:

Brittany Long

Project Name:

Bronco Water Release Revelation Pond

Project Location:

Lea County, New Mexico

Project #:

212C-MD-02820

Invoice to:

Tetra Tech, Inc.

Receiving Laboratory:

Eurofins Xenco

Sampler Signature:

Peyton Oliver

Comments:

Brittany.Long@tetratech.com

LAB #

(LAB USE ONLY)

SAMPLE IDENTIFICATION

AH-4 (4-4.5')

DATE

TIME

WATER
SOIL
HCL
HNO₃
ICE
None

CONTAINERS

FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

ANALYSIS REQUEST

(Circle or Specify Method No.)

Relinquished by:

Date: Time:

Received by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

REMARKS:

☒ STANDARD

Sample Temperature

☐ Rush: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3919-1

SDG Number: 212C-MD-02820

Login Number: 3919

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3919-1

SDG Number: 212C-MD-02820

Login Number: 3919

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/25/23 12:13 PM

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	



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

April 27, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND

Enclosed are the results of analyses for samples received by the laboratory on 04/24/23 10:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 1 (4') (H231978-01)

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2023	ND	1.56	78.1	2.00	16.3	
Toluene*	<0.050	0.050	04/25/2023	ND	1.71	85.7	2.00	14.9	
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.96	97.9	2.00	14.1	
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.04	101	6.00	14.4	
Total BTEX	<0.300	0.300	04/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	04/25/2023	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	203	101	200	2.99	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	170	84.9	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 2 (4') (H231978-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.56	78.1	2.00	16.3		
Toluene*	<0.050	0.050	04/25/2023	ND	1.71	85.7	2.00	14.9		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.96	97.9	2.00	14.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.04	101	6.00	14.4		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9280	16.0	04/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	203	101	200	2.99	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	170	84.9	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 3 (4') (H231978-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.56	78.1	2.00	16.3		
Toluene*	<0.050	0.050	04/25/2023	ND	1.71	85.7	2.00	14.9		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.96	97.9	2.00	14.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.04	101	6.00	14.4		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11500	16.0	04/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	203	101	200	2.99	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	170	84.9	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 4 (4') (H231978-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2023	ND	1.56	78.1	2.00	16.3	
Toluene*	<0.050	0.050	04/25/2023	ND	1.71	85.7	2.00	14.9	
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.96	97.9	2.00	14.1	
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.04	101	6.00	14.4	
Total BTX	<0.300	0.300	04/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	04/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	203	101	200	2.99	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	170	84.9	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 5 (4') (H231978-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.56	78.1	2.00	16.3		
Toluene*	0.126	0.050	04/26/2023	ND	1.71	85.7	2.00	14.9		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	1.96	97.9	2.00	14.1		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.04	101	6.00	14.4		
Total BTX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	04/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	203	101	200	2.99	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	170	84.9	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 6 (4') (H231978-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.56	78.1	2.00	16.3		
Toluene*	<0.050	0.050	04/26/2023	ND	1.71	85.7	2.00	14.9		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	1.96	97.9	2.00	14.1		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.04	101	6.00	14.4		
Total BTEX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	04/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	203	101	200	2.99	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	170	84.9	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 7 (4') (H231978-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	1.56	78.1	2.00	16.3	
Toluene*	<0.050	0.050	04/26/2023	ND	1.71	85.7	2.00	14.9	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	1.96	97.9	2.00	14.1	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.04	101	6.00	14.4	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	04/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	203	101	200	2.99	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	170	84.9	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 168 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 8 (4') (H231978-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.56	78.1	2.00	16.3		
Toluene*	<0.050	0.050	04/26/2023	ND	1.71	85.7	2.00	14.9		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	1.96	97.9	2.00	14.1		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.04	101	6.00	14.4		
Total BTEX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	04/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 9 (4') (H231978-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.56	78.1	2.00	16.3		
Toluene*	<0.050	0.050	04/26/2023	ND	1.71	85.7	2.00	14.9		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	1.96	97.9	2.00	14.1		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.04	101	6.00	14.4		
Total BTX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10900	16.0	04/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 10 (4') (H231978-10)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	04/25/2023	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 11 (4') (H231978-11)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7	
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4	
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1	
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6	
Total BTEx	<0.300	0.300	04/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 12 (4') (H231978-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7440	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 13 (4') (H231978-13)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7	
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4	
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1	
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6	
Total BTX	<0.300	0.300	04/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	04/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 14 (4') (H231978-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 15 (4') (H231978-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9920	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 16 (4') (H231978-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 17 (4') (H231978-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8240	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 18 (4') (H231978-18)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 19 (4') (H231978-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9040	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 20 (4') (H231978-20)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 21 (4') (H231978-21)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7	
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4	
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1	
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6	
Total BTEX	<0.300	0.300	04/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	04/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 22 (4') (H231978-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 23 (4') (H231978-23)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7	
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4	
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1	
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6	
Total BTEX	<0.300	0.300	04/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	37200	16.0	04/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 24 (4') (H231978-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14800	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 25 (4') (H231978-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 26 (4') (H231978-26)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: BH - 27 (4') (H231978-27)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	04/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	192	96.1	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	197	98.3	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 28 (4') (H231978-28)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	215	107	200	3.35	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	202	101	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/24/2023	Sampling Date:	04/20/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS MIDSTREAM -EDDY CO NM		

Sample ID: SW - 1 (H231978-29)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.61	80.7	2.00	10.7		
Toluene*	<0.050	0.050	04/25/2023	ND	1.76	88.1	2.00	12.4		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	1.86	92.9	2.00	11.1		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	5.57	92.8	6.00	12.6		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	04/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	215	107	200	3.35	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	202	101	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/24/2023
Reported: 04/27/2023
Project Name: BRONCO REVELATION POND
Project Number: NONE GIVEN
Project Location: SOLARIS MIDSTREAM -EDDY CO NM

Sampling Date: 04/20/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (H231978-30)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	1.98	99.1	2.00	6.32	
Toluene*	<0.050	0.050	04/26/2023	ND	2.04	102	2.00	5.15	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.06	103	2.00	5.64	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.20	103	6.00	5.57	
Total BTX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/25/2023	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	215	107	200	3.35	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	202	101	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech		P.O. #:		ANALYSIS REQUEST														
Project Manager: Brittany Long		Company: Solaris Midstream																
Address: 901 W. Wall St		Attn: Rob Kirk																
City: Midland		Address:																
State: TX Zip: 79701		City:																
Phone #:		State:																
Fax #:		Zip:																
Project #:		Phone #:																
Project Owner:		Fax #:																
Project Name: Bronco Revelation Pond																		
Project Location: Eddy County, NM																		
Sampler Name: Brady Vaughan																		
FOR LAB USE ONLY																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	8015M (GRO-DRO-ORO)	Chloride	SM 4500
H231978			1			X					X		4/20/23	10:30	✓			
1	BH-1 (4)													10:40	✓			
2	BH-2 (4)													10:50	✓			
3	BH-3 (4)													11:00	✓			
4	BH-4 (4)													11:10	✓			
5	BH-5 (4)													11:20	✓			
6	BH-6 (4)													11:30	✓			
7	BH-7 (4)													11:40	✓			
8	BH-8 (4)													11:50	✓			
9	BH-9 (4)													12:00	✓			
10	BH-10 (4)																	

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 4-24-23	Received By:	Date: 4-24-23
Relinquished By: [Signature]	Time: 10:55	Received By: [Signature]	Time: 10:55

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	5.2	4.6	Cool ☒ Intact ☒	[Signature]	Thermometer ID #113	Rush ☒	☒ Bacteria (only)	Observed Temp. °C
			Yes ☒ No ☒		Correction Factor -0.6°C		☒ Cool ☒ Intact ☒	Corrected Temp. °C

REMARKS:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech		P.O. #:		BILL TO		ANALYSIS REQUEST											
Project Manager: Brittany Long		City: Midland		Company: Solaris Midstream													
Address: 901 W. Wall St		State: TX Zip: 79701		Attn: Rob Kirk													
Phone #:		Fax #:		Address:													
Project #:		Project Owner:		City:													
Project Name: Bronco Revelation Pond		State:		Zip:													
Project Location: Eddy County, NM		Phone #:		Fax #:													
Sampler Name: Brady Vaughan																	
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX 802B	TPH 8015M (GRO-DRO-ORO)	Chloride SM 4500
H231978	BH-11 (4')		1			X							4/20/23	12:30	✓	✓	✓
	BH-12 (4')													12:40			
	BH-13 (4')													12:50			
	BH-14 (4')													1:00			
	BH-15 (4')													1:10			
	BH-16 (4')													1:20			
	BH-17 (4')													1:30			
	BH-18 (4')													1:40			
	BH-19 (4')													1:50			
	BH-20 (4')													2:00			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																	
Relinquished By: <i>Brady Vaughan</i>		Date: 4-24-23		Received By: <i>Solaris Midstream</i>		Time: 1055		Date: <i>4-24-23</i>		Time: <i>1055</i>		Verbal Result: ☐ Yes ☐ No		Add'l Phone #:		All Results are emailed. Please provide Email address:	
Relinquished By: <i>Brady Vaughan</i>		Date: <i>4-24-23</i>		Received By: <i>Solaris Midstream</i>		Time: <i>1055</i>		Date: <i>4-24-23</i>		Time: <i>1055</i>		Verbal Result: ☐ Yes ☐ No		Add'l Phone #:		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		Bacteria (only)		Sample Condition		Observed Temp. °C	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		☐ Cool ☒ Intact ☐ Yes ☐ No		<i>4.6</i>		<i>4.6</i>		<i>4.6</i>		<i>4.6</i>		<i>4.6</i>		<i>4.6</i>	
FORM 008 R 3.3 07/19/22																	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Tetra Tech

Project Manager: Brittany Long

Address: 901 W. Wall St

City: Midland

State: TX Zip: 79701

Phone #: Fax #:

Project #:

Project Name: Bronco Revelation Pond

Project Location: Eddy County, NM

Sampler Name: Brady Vaughan

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP		# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS		
		GROUNDWATER	WASTEWATER		SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			BTEX	TPH	Chloride
#331978	31	BH-21 (4')		1							4/20/23	2:30	✓	✓	✓	
	32	BH-22 (4')										2:40	✓	✓		
	33	BH-23 (4')										2:50				
	34	BH-24 (4')										3:00				
	35	BH-25 (4')										3:10				
	36	BH-26 (4')										3:20				
	37	BH-27 (4')										3:30				
	38	BH-28 (4')										3:40				
	39	BH-29										3:50				
	30	SW-2										4:00				

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *Chyan Camacho* Date: 4-23-23

Received By: *Munira Chakraborty*

Relinquished By: *Chyan Camacho* Date: 4-23-23

Received By: *Munira Chakraborty*

Delivered By: (Circle One)

Observed Temp. °C: 5.2

Sampler - UPS - Bus - Other:

Corrected Temp. °C: 4.6

Sample Condition

Cool Intact: Yes [X] No []

Checked By: (Initials)

4.0

Turnaround Time:

Thermometer I.D. #113

Correction Factor -0.6°C

Standard

Rush

Bacteria (only)

Cool Intact

Observed Temp. °C

Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

May 03, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO WATER RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/28/23 13:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (H232103-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41	
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47	
Total BTX	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	05/01/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (H232103-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41	
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47	
Total BTEx	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	05/01/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (H232103-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41	
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47	
Total BTEx	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/01/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (H232103-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/01/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 7 (H232103-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41	
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47	
Total BTEx	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/01/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 8 (H232103-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (H232103-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (H232103-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (H232103-09)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTX	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (H232103-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 13 (H232103-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 29 (H232103-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15400	16.0	05/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 30 (H232103-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	42800	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 31 (H232103-14)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.90	95.0	2.00	4.41	
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	6.46	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.97	98.4	2.00	4.80	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.00	100	6.00	2.47	
Total BTX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26800	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 32 (H232103-15)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.90	95.0	2.00	4.41	
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	6.46	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.97	98.4	2.00	4.80	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.00	100	6.00	2.47	
Total BTX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28000	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 33 (H232103-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 34 (H232103-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEX	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14900	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 35 (H232103-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	1.90	95.0	2.00	4.41		
Toluene*	<0.050	0.050	05/01/2023	ND	1.92	96.0	2.00	6.46		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	1.97	98.4	2.00	4.80		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.00	100	6.00	2.47		
Total BTEx	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13400	16.0	05/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 36 (H232103-19)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	05/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 37 (H232103-20)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273	
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36	
Total BTX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	05/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 38 (H232103-21)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22800	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 39 (H232103-22)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 40 (H232103-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	29600	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 41 (H232103-24)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273	
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36	
Total BTEx	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	05/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 42 (H232103-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13000	16.0	05/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 43 (H232103-26)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	05/01/2023	ND	448	112	400	7.41	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 44 (H232103-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14200	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 45 (H232103-28)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6880	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 46 (H232103-29)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 47 (H232103-30)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	33600	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	160	80.1	200	0.0987	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	181	90.6	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 48 (H232103-31)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 49 (H232103-32)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 50 (H232103-33)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	36000	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 51 (H232103-34)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26000	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 52 (H232103-35)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28400	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 53 (H232103-36)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	30800	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 54 (H232103-37)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 55 (H232103-38)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	0.273		
Toluene*	<0.050	0.050	05/02/2023	ND	1.95	97.3	2.00	1.59		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.9	2.00	1.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.01	100	6.00	1.36		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20000	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 56 (H232103-39)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	42800	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 57 (H232103-40)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7460	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 58 (H232103-41)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20800	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 59 (H232103-42)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	27200	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 60 (H232103-43)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	34000	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 61 (H232103-44)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18000	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 62 (H232103-45)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14000	16.0	05/01/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 63 (H232103-46)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89	
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	05/01/2023	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 64 (H232103-47)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	05/01/2023	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 65 (H232103-48)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8600	16.0	05/01/2023	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/28/2023
Reported: 05/03/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 04/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 66 (H232103-49)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.11	106	2.00	1.89		
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.17	108	2.00	1.75		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.74	112	6.00	1.77		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/01/2023	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2023	ND	174	87.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	05/01/2023	ND	169	84.6	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	05/01/2023	ND					

Surrogate: 1-Chlorooctane 69.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Page 1

Client Name: Solaris		Site Manager: Brittany Long		(432) 741-5813		Brittany.Long@tetratech.com	
Project Name: Bronco Water Release		Project Location: Lea County, NM		Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701		212C-MD-02820	
Receiving Laboratory: Cardinal Labs		Sampler Signature: Jorge Fernandez					
Comments:							

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃			
1	SW-3	4-25-23		X				X		BTEX 8021B BTEX 8260B
2	SW-4									TPH TX1005 (Ext to C35)
3	SW-5									TPH 8015M (GRO - DRO - ORO - MRO)
4	SW-6									PAH 8270C
5	SW-7									Total Metals Ag As Ba Cd Cr Pb Se Hg
6	SW-8									TCLP Metals Ag As Ba Cd Cr Pb Se Hg
7	SW-9									TCLP Volatiles
8	SW-10									TCLP Semi Volatiles
9	SW-11									RCI
10	SW-12									GC/MS Vol. 8260B / 624
										GC/MS Semi. Vol. 8270C/625
										PCB's 8082 / 608
										NORM
										PLM (Asbestos)
										Chloride
										Chloride Sulfate TDS
										General Water Chemistry (see attached list)
										Anion/Cation Balance

Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by: <i>Jorge Fernandez</i>	Date: <i>4-28-23</i>	Time: <i>1325</i>	Received by: <i>Shediquell</i>	Date: <i>4/28/23</i>	Time: <i>1328</i>

LAB USE ONLY	REMARKS: <i>X Standard TAT</i>
Sample Temperature	☐ RUSH: Same Day 24 hr 48 hr 72 hr
<i>53/60/64</i>	☐ Rush Charges Authorized
<i>47-#113</i>	☐ Special Report Limits or TRRP Report

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.



901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3346

Page 20

Client Name: Solaris Site Manager: Britiany Long

Project Name: Bronco Water Release (432) 741-5813

Project Location: Leas County NM Britiany Long @tetratech.com

Invoice to: Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 212C-MD-02820

Receiving Laboratory: Cardinal Labs Sampler Signature: Jorge Fernandez

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		

11	Sw-13	4-25-13		X			X		
12	BH-29								
13	BH-30								
14	BH-31								
15	BH-32								
16	BH-33								
17	BH-34								
18	BH-35								
19	BH-36								
20	BH-37								

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
- Chloride Sulfate TDS
- General Water Chemistry (see attached list)
- Anion/Cation Balance

LAB USE ONLY

REMARKS: X Standard TAT

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

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Client Name: Solaris
Project Name: Bracco Water Release
Project Location: Lea County, NM
Invoice to: Accounts Payable 901 West Wall Street,
Suit 100 Midland, Texas 79701
Receiving Laboratory: Cardinal Labs
Comments:
Sampler Signature: Jorge Fernandez

Site Manager: Brittany Long
(432) 741-5813
Brittany.Long@tetratech.com

212C-MD-02820

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
31	BH-48	4-25-23			X		X		
32	BH-49								
33	BH-50								
34	BH-51								
35	BH-52								
36	BH-53								
37	BH-54								
38	BH-55								
39	BH-56								
40	BH-57								

Relinquished by: [Signature]
Date: 4-28-23 1325
Received by: [Signature]
Date: 4-28-23 1328

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

LAB USE ONLY

REMARKS: X Standard TAT
Sample Temperature
RUSH: Same Day 24 hr 48 hr 72 hr
Rush Charges Authorized
Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Custody Record



Tetra Tech, Inc.

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

Client Name: Solaris
Site Manager: Brittany Long
Project Name: Bronco Water Release
(432) 741-5813
Brittany.Long@tetratech.com

Project Location: Lea County, NM
Accounts Payable 901 West Wall Street,
Suit 100 Midland, Texas 79701
212C - MP-02820

Receiving Laboratory: Cardinal Labs
Sampler Signature: Jorge Fernandez

Comments:

H232103	
LAB #	
(LAB USE ONLY)	
SAMPLE IDENTIFICATION	
41	BH-58
42	BH-59
43	BH-60
44	BH-61
45	BH-62
46	BH-63
47	BH-64
48	BH-65
49	BH-66

Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: _____ Time: _____
Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

LAB USE ONLY
Sample Temperature: 53.1 C.O.C.
4-7-#113
REMARKS: A Standard TAT
☐ RUSH: Same Day 24 hr 48 hr 72 hr
☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



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

May 10, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO WATER RELEASE REVELATION POND

Enclosed are the results of analyses for samples received by the laboratory on 05/05/23 16:01.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 67 (H232256-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.20	110	2.00	5.75	
Toluene*	<0.050	0.050	05/09/2023	ND	2.18	109	2.00	6.60	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.12	106	2.00	6.02	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.43	107	6.00	5.35	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	183	91.3	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	185	92.6	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 67.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 68 (H232256-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.20	110	2.00	5.75		
Toluene*	<0.050	0.050	05/09/2023	ND	2.18	109	2.00	6.60		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.12	106	2.00	6.02		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.43	107	6.00	5.35		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10400	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	207	103	200	0.756	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	196	98.2	200	0.628	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 69 (H232256-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.20	110	2.00	5.75		
Toluene*	<0.050	0.050	05/09/2023	ND	2.18	109	2.00	6.60		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.12	106	2.00	6.02		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.43	107	6.00	5.35		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6660	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	207	103	200	0.756	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	196	98.2	200	0.628	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 69.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 70 (H232256-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.20	110	2.00	5.75		
Toluene*	<0.050	0.050	05/09/2023	ND	2.18	109	2.00	6.60		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.12	106	2.00	6.02		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.43	107	6.00	5.35		
Total BTEX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12000	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	207	103	200	0.756	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	196	98.2	200	0.628	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 53.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 71 (H232256-05)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45	
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23	
Total BTX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	05/09/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	207	103	200	0.756	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	196	98.2	200	0.628	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 61.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 72 (H232256-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6530	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	207	103	200	0.756	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	196	98.2	200	0.628	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 49.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 73 (H232256-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	207	103	200	0.756	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	196	98.2	200	0.628	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 61.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 74 (H232256-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18400	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	207	103	200	0.756	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	196	98.2	200	0.628	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 52.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 75 (H232256-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20400	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 76 (H232256-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28000	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 77 (H232256-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22400	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 78 (H232256-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 79 (H232256-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12000	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 80 (H232256-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26000	16.0	05/09/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 81 (H232256-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19600	16.0	05/08/2023	ND	400	100	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 82 (H232256-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7800	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 83 (H232256-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13800	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 84 (H232256-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6660	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 85 (H232256-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 86 (H232256-20)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45	
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23	
Total BTEx	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11400	16.0	05/08/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 69.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 87 (H232256-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 88 (H232256-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 89 (H232256-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 90 (H232256-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.00	100	2.00	5.45		
Toluene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	1.95	97.4	2.00	5.20		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.02	100	6.00	5.23		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 91 (H232256-25)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5920	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 92 (H232256-26)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 93 (H232256-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1560	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 94 (H232256-28)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	209	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 95 (H232256-29)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	05/08/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 96 (H232256-30)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 97 (H232256-31)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 98 (H232256-32)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 99 (H232256-33)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 100 (H232256-34)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	05/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 101 (H232256-35)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	05/09/2023	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 102 (H232256-36)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 103 (H232256-37)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 104 (H232256-38)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 105 (H232256-39)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	05/09/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 106 (H232256-40)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 107 (H232256-41)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15	
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26	
Total BTX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	05/09/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 108 (H232256-42)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 109 (H232256-43)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 110 (H232256-44)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.88	94.2	2.00	5.15		
Toluene*	<0.050	0.050	05/09/2023	ND	1.96	97.9	2.00	5.86		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.06	103	2.00	5.89		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.16	103	6.00	5.26		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 111 (H232256-45)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70	
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30	
Total BTEx	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 112 (H232256-46)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70	
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30	
Total BTX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	05/09/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 113 (H232256-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 114 (H232256-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	182	91.0	200	1.54	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	205	102	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/03/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 115 (H232256-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70		
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30		
Total BTEx	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	05/09/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	220	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	207	103	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/05/2023
Reported: 05/10/2023
Project Name: BRONCO WATER RELEASE REVELATION
Project Number: 212C-MD-02820
Project Location: SOLARIS - EDDY COUNTY, NM

Sampling Date: 05/03/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 116 (H232256-50)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	1.84	91.8	2.00	4.70	
Toluene*	<0.050	0.050	05/09/2023	ND	1.95	97.5	2.00	3.48	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.13	106	2.00	2.49	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.45	107	6.00	1.30	
Total BTX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	05/09/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	220	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	207	103	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Page 1 of 5

Client Name:

Solaris

Site Manager:

Brittany Long

Project Name:

Bronco Water Release Revelation Pond

(432) 741-5813

Project Location:
(county, state)

Eddy County, NM

Project #:

Brittany.Long@tetratech.com

Invoice to:

M.F. 5/5/23 Account Payable 901 West Wall Street,
Suite 100 Midland, Texas 79701

212C-MD-02820

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Miguel A. Flores

Comments:

SAMPLE IDENTIFICATION

LAB #
LAB USE
ONLY

SAMPLING

YEAR: 2023

DATE
TIMEWATER
SOILHCL
HNO₃
ICE# CONTAINERS
FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

ANALYSIS REQUEST
(Circle or Specify Method No.)

Inquired by:

Miguel A Flores

Date: 5/5/23
Time:

Received by:

Stationary 5/5/23 11:01

Date: 5/5/23
Time:

Inquired by:

Date: 5/5/23
Time:

Received by:

Date: 5/5/23
Time:LAB USE
ONLY

REMARKS:

Standard

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

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

15c #113

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901 W Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 882-4559
 Fax (432) 882-3946

Page 2 of 5

Client Name: Solaris		Site Manager: Brittany Long	
Project Name: Bronco Water Release Revelation Pond		(432) 741-5813	
Project Location: Eddy County, NM		Project #: Brittany.long@tetratech.com	
Invoice to: Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		212C-MD-02820	
Receiving Laboratory: Cardinal Labs		Sampler Signature: Miguel A. Flores	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS:
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE					
									YEAR: 2023				
11	BH-77	5/3/2023		X				X				X	
12	BH-78	5/3/2023		X				X				X	
13	BH-79	5/3/2023		X				X				X	
14	BH-80	5/3/2023		X				X				X	
15	BH-81	5/3/2023		X				X				X	
16	BH-82	5/3/2023		X				X				X	
17	BH-83	5/3/2023		X				X				X	
18	BH-84	5/3/2023		X				X				X	
19	BH-85	5/3/2023		X				X				X	
20	BH-86	5/3/2023		X				X				X	

Requesting by: Miguel A Flores	Date: 5/5/23	Time:	Received by: Scottiquey	Date: 5/5/23	Time: 1401
Requesting by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY	REMARKS:
☐ Rush: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report	(Circle) HAND DELIVERED FEDEX UPS Tracking # _____ Standard

ANALYSIS REQUEST (Circle or Specify Method No.)
BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance
Hold

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Page 3 of 5

Page 55 of 57

Client Name:

Solaris

Site Manager:

Brittany Long

Project Name:

Bronco Water Release Revelation Pond

(432) 741-5873

Project Location:
(county, state)

Eddy County, NM

Project #:

Brittany.long@tetratech.com

Invoice to:

Accounts Payable 901 West Wall Street,
Suit 100 Midland, Texas 79704

212C-MD-02820

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Miguel A. Flores

Comments:

H333456

SAMPLE IDENTIFICATION

LAB #
(LAB USE ONLY)

SAMPLING

YEAR: 2023

DATE
TIMEWATER
SOILHCL
HNO₃
ICE# CONTAINERS
FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

ANALYSIS REQUEST
(Circle or Specify Method No.)

Inquired by: Miguel A Flores

Date: 5/3/23

Received by:

Date: 5/3/23

Inquired by:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

REMARKS:

Standard

Sample Temperature

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

1.5c #113

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Page 4 of 4

Page 56 of 57

Project Name: Solaris		Site Manager: Brittany Long	
Project Location: Bronco Water Release Revelation Pond		(432) 741-5813	
(county, state)		Project #: Brittany.Long@terratech.com	
Invoice to: Eddy County, NM		212C-MD-02820	
Receiving Laboratory: Accounts Payable 901 West Wall Street, Suit 400 Midland, Texas 79701		M.F. 5/5/23	
Comments: Cardinal Labs		Sampler Signature: Miguel A. Flores	

LAB #	LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
			YEAR 2023		WATER	SOIL	HCL	HNO ₃	ICE			
			DATE	TIME								
31		BH-97	5/3/2023		X			X				
32		BH-98	5/3/2023		X			X				
33		BH-99	5/3/2023		X			X				
34		BH-100	5/3/2023		X			X				
35		BH-101	5/3/2023		X			X				
36		BH-102	5/3/2023		X			X				
37		BH-103	5/3/2023		X			X				
38		BH-104	5/3/2023		X			X				
39		BH-105	5/3/2023		X			X				
40		BH-106	5/3/2023		X			X				

Acquished by: Miguel A Flores	Date: 5/5/23	Received by: <i>[Signature]</i>	Date: 5/5/23
Acquished by:	Date:	Received by:	Date:

[illegible]

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Page 5 of 5

Client Name:

Solaris

Site Manager:

Brittany Long

Project Name:

Bronco Water Release Revelation Pond

(432) 741-5813

Project Location:
(county, state)

Eddy County, NM

Project #:

Brittany.long@tetratech.com

Invoice to:

Accounts Payable 901 West Wall Street,
Suite 100 Midland, Texas 79701

M.F. 5/5/23

212C-MD-02820

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Miguel A. Flores

Comments:

LAB #
LAB USE
(ONLY)

SAMPLE IDENTIFICATION

		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
41	BH-107	5/3/2023		X			X		
42	BH-108	5/3/2023		X			X		
43	BH-109	5/3/2023		X			X		
44	BH-110	5/3/2023		X			X		
45	BH-111	5/3/2023		X			X		
46	BH-112	5/3/2023		X			X		
47	BH-113	5/3/2023		X			X		
48	BH-114	5/3/2023		X			X		
49	BH-115	5/3/2023		X			X		
50	BH-116	5/3/2023		X			X		

Inquired by:

Miguel A Flores

Date: 5/5/23

Inquired by:

Date: Time:

Inquired by:

Date: Time:

Received by:

Shediquay steps 1401

Date: Time:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

REMARKS:

Standard

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

Hold



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

May 17, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO WATER RELEASE REVELATION POND

Enclosed are the results of analyses for samples received by the laboratory on 05/11/23 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 3 (5') (H232378-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTX	<0.300	0.300	05/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	05/15/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 4 (5') (H232378-02)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	17.2		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7		
Total BTEX	<0.300	0.300	05/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 9 (5') (H232378-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.54	109	6.00	16.7	
Total BTEX	<0.300	0.300	05/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 23 (5') (H232378-04)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.54	109	6.00	16.7	
Total BTX	<0.300	0.300	05/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 29 (5') (H232378-05)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.54	109	6.00	16.7	
Total BTX	<0.300	0.300	05/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 30 (5') (H232378-06)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.54	109	6.00	16.7	
Total BTX	<0.300	0.300	05/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 38 (5') (H232378-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	17.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	16.7		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.54	109	6.00	16.7		
Total BTEX	<0.300	0.300	05/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 39 (5') (H232378-08)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.54	109	6.00	16.7	
Total BTX	<0.300	0.300	05/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 40 (5') (H232378-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.02	101	2.00	13.4		
Toluene*	<0.050	0.050	05/14/2023	ND	2.07	103	2.00	13.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.00	100	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.21	104	6.00	11.6		
Total BTEx	<0.300	0.300	05/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 47 (5') (H232378-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.02	101	2.00	13.4		
Toluene*	<0.050	0.050	05/14/2023	ND	2.07	103	2.00	13.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.00	100	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.21	104	6.00	11.6		
Total BTEx	<0.300	0.300	05/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	37600	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 51 (5') (H232378-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.02	101	2.00	13.4		
Toluene*	<0.050	0.050	05/14/2023	ND	2.07	103	2.00	13.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.00	100	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.21	104	6.00	11.6		
Total BTEx	<0.300	0.300	05/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12600	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 53 (5') (H232378-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.02	101	2.00	13.4		
Toluene*	<0.050	0.050	05/14/2023	ND	2.07	103	2.00	13.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.00	100	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.21	104	6.00	11.6		
Total BTEx	<0.300	0.300	05/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: SW - 3 (H232378-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.02	101	2.00	13.4		
Toluene*	<0.050	0.050	05/14/2023	ND	2.07	103	2.00	13.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.00	100	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.21	104	6.00	11.6		
Total BTEX	<0.300	0.300	05/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	200	100	200	5.17	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	195	97.7	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Client Name:		Solaris Water Midstream		Site Manager:		Brittany Long	
Project Name:		Bronco Water Revelation Pond		Project #:		212C-MD-02820	
Project Location: (county, state)		Eddy County, New Mexico		Project #:		212C-MD-02820	
Invoice to:		Solaris ATTN: Rob Kirk		Sampler Signature:		Ivan Ramos	
Receiving Laboratory:		Cardinal Laboratory		Sampler Signature:		Ivan Ramos	
Comments:							

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)	
		YEAR	DATE	WATER	SOIL	HCL	HNO ₃				ICE
1	BH-3 (5')		5/11/2023		X		X			BTEX 8021B BTEX 8260B	
2	BH-4 (5')		5/11/2023		X		X			TPH TX1005 (Ext to C35)	
3	BH-9 (5')		5/11/2023		X		X			TPH 8015M (GRO - DRO - ORO - MRO)	
4	BH-23 (5')		5/11/2023		X		X			PAH 8270C	
5	BH-29 (5')		5/11/2023		X		X			Total Metals Ag As Ba Cd Cr Pb Se Hg	
6	BH-30 (5')		5/11/2023		X		X			TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
7	BH-38 (5')		5/11/2023		X		X			TCLP Volatiles	
8	BH-39 (5')		5/11/2023		X		X			TCLP Semi Volatiles	
9	BH-40 (5')		5/11/2023		X		X			RCI	
10	BH-47 (5')		5/11/2023		X		X			GC/MS Vol. 8260B / 624	

Inquired by:	Date:	Time:	Received by:	Date:	Time:
Ivan Ramos	5-11-23	17:00	Ivan Ramos	5/11/23	17:00
Inquired by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY	REMARKS:
8.1	Standard
7.5	
#12	
	☐ RUSH: Same Day 24 hr 48 hr 72 hr
	☐ Rush Charges Authorized
	☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Page 2 of 2

Page 17 of 17

Client Name:												
Solaris Water Midstream						Site Manager:						
Project Name: Bronco Water Revelation Pond						Brittany Long						
Project Location: (county, state) Eddy County, New Mexico						Project #:						
Invoice to:						212C-MD-02820						
Receiving Laboratory: Solaris ATTN: Rob Kirk Cardinal Laboratory						Sampler Signature:						
						Ivan Ramos						
Comments:												
H232378	LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)			
				YEAR								
				DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
11	BH-51 (5')			5/11/2023		X			X			
12	BH-53 (5')			5/11/2023		X			X			
13	SW-3			5/11/2023		X			X			
Inquired by:	Date:	Time:	Received by:	Date:	Time:	Requested by:						
Aaron Ramsey	5-11-23	@17:00	Juan C Jimenez	5/11/23	17:00							
Inquired by:	Date:	Time:	Received by:	Date:	Time:	Requested by:						
Inquired by:	Date:	Time:	Received by:	Date:	Time:	Requested by:						

[illegible]

ORIGINAL COPY



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

May 15, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO WATER RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/12/23 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/12/2023
Reported: 05/15/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 05/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 24 (H232404-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.15	108	2.00	4.93	
Toluene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	5.26	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	6.29	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.26	104	6.00	6.70	
Total BTEx	<0.300	0.300	05/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	206	103	200	5.14	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	204	102	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/12/2023
Reported: 05/15/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 05/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 31 (H232404-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.15	108	2.00	4.93		
Toluene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	5.26		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	6.29		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.26	104	6.00	6.70		
Total BTEx	<0.300	0.300	05/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	206	103	200	5.14	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	204	102	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/12/2023
Reported: 05/15/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 05/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 32 (H232404-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.15	108	2.00	4.93		
Toluene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	5.26		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	6.29		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.26	104	6.00	6.70		
Total BTEx	<0.300	0.300	05/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7860	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	206	103	200	5.14	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	204	102	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Page 1

9 of 11

Client Name:

Solaris

Site Manager:

Brittany Long

ANALYSIS REQUEST
(Circle or Specify Method No.)

Project Name:

Bronco Water Release

(432)-741-5813

Project Location:

Lea County, NM

Project #:

212C-MD-02820

Invoice to:

Solaris Attn: Rob Kirk

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Jorge A. Fernandez

Comments:

SAMPLE IDENTIFICATION

LAB #
(LAB USE ONLY)

H233404

SAMPLING

YEAR 2023

DATE

TIME

MATRIX

PRESERVATIVE METHOD

WATER
SOIL
HCL
HNO₃
ICE

CONTAINERS

FILTERED (Y/N)

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

Hold

Disinquired by:

Date: Time:

Disinquired by:

Date: Time:

Disinquired by:

Date: Time:

Received by:

Date: Time:

Received by:

Date: Time:

REMARKS:

Standard TAT DLV

LAB USE ONLY

Sample Temperature

3.6°C
3.0°C
3.0°C #13

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY



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

May 18, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO WATER RELEASE REVELATION POND

Enclosed are the results of analyses for samples received by the laboratory on 05/15/23 16:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: SW - 16 (H232426-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.13	106	2.00	7.78	
Toluene*	<0.050	0.050	05/16/2023	ND	2.16	108	2.00	6.34	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.08	104	2.00	6.49	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.50	108	6.00	6.77	
Total BTX	<0.300	0.300	05/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	204	102	200	5.78	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	189	94.3	200	0.178	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 137 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: SW - 22 (H232426-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/16/2023	ND	2.13	106	2.00	7.78		
Toluene*	<0.050	0.050	05/16/2023	ND	2.16	108	2.00	6.34		
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.08	104	2.00	6.49		
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.50	108	6.00	6.77		
Total BTEx	<0.300	0.300	05/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	204	102	200	5.78	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	189	94.3	200	0.178	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: SW - 19 (H232426-03)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.13	106	2.00	7.78	
Toluene*	<0.050	0.050	05/16/2023	ND	2.16	108	2.00	6.34	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.08	104	2.00	6.49	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.50	108	6.00	6.77	
Total BTX	<0.300	0.300	05/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	204	102	200	5.78	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	189	94.3	200	0.178	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 34 (5') (H232426-04)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.13	106	2.00	7.78	
Toluene*	<0.050	0.050	05/16/2023	ND	2.16	108	2.00	6.34	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.08	104	2.00	6.49	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.50	108	6.00	6.77	
Total BTX	<0.300	0.300	05/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	204	102	200	5.78	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	189	94.3	200	0.178	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 42 (5') (H232426-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/16/2023	ND	2.13	106	2.00	7.78		
Toluene*	<0.050	0.050	05/16/2023	ND	2.16	108	2.00	6.34		
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.08	104	2.00	6.49		
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.50	108	6.00	6.77		
Total BTEx	<0.300	0.300	05/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7000	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	204	102	200	5.78	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	189	94.3	200	0.178	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 43 (5') (H232426-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.13	106	2.00	7.78		
Toluene*	<0.050	0.050	05/17/2023	ND	2.16	108	2.00	6.34		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.08	104	2.00	6.49		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.50	108	6.00	6.77		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	204	102	200	5.78	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	189	94.3	200	0.178	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Brian Long brian.long@tetra.tech.com		Company: At Solaris					
Address:		Attn: Solaris Rob Kirk					
City: (432) 711-5813	State: TX	Zip: 75001					
Phone #: (432) 711-5813	Fax #:	Address:					
Project #: 212C-MP-02820	Project Owner:	City:					
Project Name: Radio Water Release Prevention Pool		State:					
Project Location: Eddy County, NM		Zip:					
Sampler Name: Miguel Flores	Fax #:	Phone #:					

FOR LAB USE ONLY		LABORATORY USE ONLY		FIELD USE ONLY	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	DATE	TIME
		GROUNDWATER	WASTEWATER		
HC32426 1 SV-16 2 SV-22 3 SV-14 4 BAI-34 (5) 5 BAI-42 (5) 6 BAI-43 (5)	☒ SOIL ☐ OIL ☐ SLUDGE OTHER:	ACID/BASE:	ICE / COOL	☒ BTEX 8021B BTEX 8260B ☒ TPH 8015M (ARO-DRO-ORG) ☒ Chloride	
		OTHER:	OTHER:		

RECEIVED BY: [Signature] DATE: 5/15/23 TIME: 4:47 PM		CHECKED BY: [Signature] DATE: 5/15/23 TIME: 4:47 PM	
RELINQUISHED BY: [Signature] DATE: 5/15/23 TIME: 4:47 PM		RELINQUISHED BY: [Signature] DATE: 5/15/23 TIME: 4:47 PM	

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other	Observed Temp. °C: 4.9 Corrected Temp. °C: 4.3	Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No	Turnaround Time: Standard ☐ Rush	Bacteria (only) Sample Condition: ☐ Cool ☐ Intact ☐ Yes ☐ No
Verbal Result: ☐ Yes ☐ No Add'l Phone #:		All Results are emailed. Please provide Email address:		

REMARKS: Standard TAT	Thermometer ID #113 Correction Factor -0.6°C	Corrected Temp. °C:
---------------------------------	---	---------------------



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

May 23, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/17/23 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 50 (5') (H232506-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.09	105	2.00	3.01	
Toluene*	<0.050	0.050	05/20/2023	ND	2.11	106	2.00	5.13	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.33	105	6.00	1.93	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	164	81.9	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	173	86.4	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 56 (5') (H232506-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.09	105	2.00	3.01		
Toluene*	<0.050	0.050	05/20/2023	ND	2.11	106	2.00	5.13		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.33	105	6.00	1.93		
Total BTEX	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6530	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	164	81.9	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	173	86.4	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 117 (4') (H232506-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.09	105	2.00	3.01		
Toluene*	<0.050	0.050	05/20/2023	ND	2.11	106	2.00	5.13		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.33	105	6.00	1.93		
Total BTEx	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	164	81.9	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	173	86.4	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 118 (4') (H232506-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.09	105	2.00	3.01		
Toluene*	<0.050	0.050	05/20/2023	ND	2.11	106	2.00	5.13		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.33	105	6.00	1.93		
Total BTEx	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	164	81.9	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	173	86.4	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 119 (4') (H232506-05)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.09	105	2.00	3.01		
Toluene*	<0.050	0.050	05/20/2023	ND	2.11	106	2.00	5.13		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.33	105	6.00	1.93		
Total BTEX	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	183	91.4	200	1.86	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	180	89.8	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 120 (4') (H232506-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.09	105	2.00	3.01		
Toluene*	<0.050	0.050	05/20/2023	ND	2.11	106	2.00	5.13		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.33	105	6.00	1.93		
Total BTEx	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10100	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	183	91.4	200	1.86	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	180	89.8	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 121 (4') (H232506-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.09	105	2.00	3.01		
Toluene*	<0.050	0.050	05/20/2023	ND	2.11	106	2.00	5.13		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.33	105	6.00	1.93		
Total BTEx	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 122 (4') (H232506-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.09	105	2.00	3.01		
Toluene*	<0.050	0.050	05/20/2023	ND	2.11	106	2.00	5.13		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.33	105	6.00	1.93		
Total BTEX	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4660	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	183	91.4	200	1.86	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	180	89.8	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 123 (4') (H232506-09)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.09	105	2.00	3.01		
Toluene*	<0.050	0.050	05/20/2023	ND	2.11	106	2.00	5.13		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.33	105	6.00	1.93		
Total BTEX	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 124 (4') (H232506-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.43	121	2.00	0.202	QM-07	
Toluene*	<0.050	0.050	05/20/2023	ND	2.39	120	2.00	0.486		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.31	116	2.00	0.00359		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.97	116	6.00	0.113		
Total BTEX	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Brittany Long</u>		Project Manager: <u>Brittany Long</u>															
Address: <u>901 W. Wall St</u>		City: <u>Midland</u>															
State: <u>TX</u>		Zip: <u>79701</u>															
Phone #:		Fax #:															
Project #: <u>212C-MD-02820</u>		Project Owner:															
Project Name: <u>Bronco Revelation Pond Release</u>		Project Location: <u>Lea County, NM</u>															
Sample Name: <u>Ivan Ramon</u>		FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX 8021B	TPH 8015M (GRO-ORO-MRO)	Chlorides (300.0) 4500
<u>H233504</u>	<u>BH-50 (5')</u>		<u>1</u>										<u>5-17-23</u>	<u>10:00</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>BH-56 (5')</u>												<u>10:10</u>	<u>10:20</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>BH-119 (4')</u>												<u>10:30</u>	<u>10:40</u>			
	<u>BH-118 (4')</u>												<u>10:50</u>	<u>11:00</u>			
	<u>BH-120 (4')</u>												<u>11:10</u>	<u>11:20</u>			
	<u>BH-121 (4')</u>												<u>11:30</u>				
	<u>BH-122 (4')</u>																
	<u>BH-123 (4')</u>																
	<u>BH-124 (4')</u>																
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based in, or any of the above stated reasons or otherwise.																	
Relinquished By: <u>John Ramon</u> Date: <u>5-17-23</u> Received By: <u>Brittany Long</u> Date: <u>5-17-23</u>																	
Relinquished By: <u>John Ramon</u> Date: <u>5-17-23</u> Received By: <u>Brittany Long</u> Date: <u>5-17-23</u>																	
Delivered By: (Circle One) <u>Observed Temp. °C</u> <u>6.4</u> Sample Condition <u>Cool</u> <u>Intact</u> CHECKED BY: (Initials) <u>YLO</u>																	
Sampler - UPS - Bus - Other: <u>Corrected Temp. °C</u> <u>5.8</u> Thermometer ID #113 Correction Factor -0.6°C Standard <u>Rush</u> Bacteria (only) <u>Cool</u> <u>Intact</u> Sample Condition <u>Cool</u> <u>Intact</u> Observed Temp. °C <u>5.8</u> Corrected Temp. °C <u>5.2</u>																	
REMARKS:																	



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

May 19, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 17:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 1 (H232544-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEX	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	162	81.2	200	2.85	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	86.0	200	0.193	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 47 (5') (H232544-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEX	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	05/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	162	81.2	200	2.85	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	86.0	200	0.193	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 51 (5') (H232544-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEx	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	05/19/2023	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 52 (5') (H232544-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEx	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5860	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 55 (5') (H232544-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEx	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 58 (5') (H232544-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEx	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 59 (5') (H232544-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEx	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 60 (5') (H232544-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71	
Total BTEX	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	05/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 150 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 61 (5') (H232544-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEx	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 62 (5') (H232544-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEx	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



Released to Imaging: 2/28/2024 1:53:31 PM



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

May 24, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 36 (7.5') (H232545-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.04	102	2.00	7.12	
Toluene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	1.98	99.1	2.00	8.34	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.18	103	6.00	7.67	
Total BTX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5760	16.0	05/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	182	91.1	200	3.21	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 44 (5') (H232545-02)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.04	102	2.00	7.12	
Toluene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	1.98	99.1	2.00	8.34	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.18	103	6.00	7.67	
Total BTX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	05/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	182	91.1	200	3.21	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Page 5 of 5



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

May 23, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 17:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 35 (5.5') (H232598-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	05/23/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/22/2023
Reported: 05/23/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 05/22/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 50 (5') (H232598-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31		
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38		
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16		
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01		
Total BTEx	<0.300	0.300	05/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	05/23/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

May 25, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 17:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 125 (H232599-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/23/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	188	93.9	200	0.894	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	150	74.8	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/22/2023
 Reported: 05/25/2023
 Project Name: BRONCO REVELATION POND RELEASE
 Project Number: 212C-MD-02820
 Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 126 (H232599-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/23/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	188	93.9	200	0.894	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	150	74.8	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/22/2023
Reported: 05/25/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 05/22/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 127 (H232599-03)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2023	ND	2.15	108	2.00	3.65		
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84		
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81		
Total BTX	<0.300	0.300	05/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	05/23/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	188	93.9	200	0.894	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	150	74.8	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**BILL TO**

ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

May 30, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/24/23 17:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 68 (5') (H232659-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2023	ND	2.01	101	2.00	0.329	
Toluene*	<0.050	0.050	05/25/2023	ND	2.08	104	2.00	2.03	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.01	101	2.00	0.300	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.18	103	6.00	1.39	
Total BTX	<0.300	0.300	05/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 70 (5') (H232659-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7280	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 71 (H232659-03)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 74 (H232659-04)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9200	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 75 (H232659-05)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 76 (H232659-06)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 77 (H232659-07)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 79 (H232659-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 80 (H232659-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 81 (H232659-10)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 83 (5') (H232659-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	05/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 85 (5') (H232659-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6640	16.0	05/25/2023	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 86 (5') (H232659-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02		
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29		
Total BTEx	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	05/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2023	Sampling Date:	05/24/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 120 (4') (H232659-14)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2023	ND	2.10	105	2.00	3.02	
Toluene*	<0.050	0.050	05/25/2023	ND	2.04	102	2.00	1.04	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.33	106	6.00	3.29	
Total BTX	<0.300	0.300	05/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	189	94.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	207	103	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



BILL TO

ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

June 07, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/02/23 16:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 14 (H232820-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3	
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2	
Total BTEX	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/06/2023	ND	416	104	400	7.41	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	185	92.7	200	4.70	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	193	96.4	200	21.7	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 15 (H232820-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	185	92.7	200	4.70	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	193	96.4	200	21.7	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 17 (H232820-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	185	92.7	200	4.70	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	193	96.4	200	21.7	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 20 (H232820-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEX	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	185	92.7	200	4.70	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	193	96.4	200	21.7	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 21 (H232820-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	185	92.7	200	4.70	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	193	96.4	200	21.7	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 23 (H232820-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEX	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	185	92.7	200	4.70	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	193	96.4	200	21.7	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 128 (4') (H232820-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	185	92.7	200	4.70	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	193	96.4	200	21.7	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2023
Reported: 06/07/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 06/02/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH - 129 (4') (H232820-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3	
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2	
Total BTX	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	06/06/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	185	92.7	200	4.70	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	193	96.4	200	21.7	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 130 (4') (H232820-09)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTX	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	191	95.4	200	8.18		
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	183	91.4	200	4.11		
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND						

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 131 (4') (H232820-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3	
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2	
Total BTEx	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	191	95.4	200	8.18	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	183	91.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 132 (4') (H232820-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	191	95.4	200	8.18	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	183	91.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 133 (4') (H232820-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEX	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	191	95.4	200	8.18	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	183	91.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 134 (4') (H232820-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5280	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	191	95.4	200	8.18	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	183	91.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 135 (4') (H232820-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.91	95.3	2.00	19.3		
Toluene*	<0.050	0.050	06/06/2023	ND	1.96	98.2	2.00	19.4		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.04	102	2.00	18.8		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.02	100	6.00	19.2		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	191	95.4	200	8.18	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	183	91.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech Project Manager: Brittany Long Address: 901 W. Wall St City: Midland State: TX Zip: 79701 Phone #: Fax #:		P.O. #: Company: Solaris Midstream Attn: Rob Kivke Address: City: State: Zip: Phone #: Fax #:	
Project #: 242-MD-02829 Project Owner: Project Name: Bronco Recreation Pond Release Project Location: Lea County, NM Sampler Name: Ivan Ramos		Project #: Project Owner: Project Name: Project Location: Sampler Name:	
FOR LAB USE ONLY			
Lab I.D. H332820	Sample I.D. SW-14 SW-15 SW-17 SW-20 SW-21 SW-23 BH-128 (4') BH-129 (4') BH-130 (4') BH-131 (4')	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV. SAMPLING
DATE 6/2/23		TIME 8:50 8:55 9:10 9:20 9:30 9:40 9:50 10:00 10:15 10:25	
BTEX 8021B TPH 8015 (GRO-ORO-MRO) Chlorides 4500			
Relinquished By: <i>Ivan Ramos</i> Date: 6-2-23 Time: 16:48 Received By: <i>William Keene</i> Date: 6-2-23 Time: 16:48			
REMARKS: All Results are emailed. Please provide Email address:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:			
Observed Temp. °C 4.9 Corrected Temp. °C 4.3		Sample Condition Cool ☒ Intact ☒ Yes ☒ No ☐ CHECKED BY: (Initials) YD	
Turnaround Time: Standard ☒ Rush ☐ Thermometer ID #113 Correction Factor -0.6°C		Bacteria (only) Sample Condition Cool ☐ Intact ☐ Yes ☐ No ☐ Observed Temp. °C Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech		P.O. #:		ANALYSIS REQUEST	
Project Manager: Brittany Long		Company: Soluis Midstream			
Address: 401 W. Wall St		Attn: Rob Kirk			
City: Midland		Address:			
State: TX Zip: 79701		City:			
Phone #:		State:			
Fax #:		Zip:			
Project #:		City:			
Project Name: Bronco Revelation Pond Release		State:			
Project Location: Lea County, NM		Phone #:			
Sampler Name: Ivan Ramo		Fax #:			
FOR LAB USE ONLY		PRESERV		SAMPLING	
Lab I.D. H232820		DATE		TIME	
Sample I.D.		DATE		TIME	
11 BH-132 (4')		6/2/23		10:40	
12 BH-133 (4')		10:55			
13 BH-134 (4')		13:30			
14 BH-135 (4')		13:45			
(G)RAB OR (C)OMP.		DATE		TIME	
# CONTAINERS		DATE		TIME	
GROUNDWATER		DATE		TIME	
WASTEWATER		DATE		TIME	
SOIL		DATE		TIME	
OIL		DATE		TIME	
SLUDGE		DATE		TIME	
OTHER :		DATE		TIME	
ACID/BASE:		DATE		TIME	
ICE / COOL		DATE		TIME	
OTHER :		DATE		TIME	
TPH 8015 (GRO-ORO-MRO)		DATE		TIME	
BTEX 802LB		DATE		TIME	
Chlorides 4500		DATE		TIME	
Relinquished By: Ivan Ramo		Date: 6-2-23		Time: 16:48	
Relinquished By: Ivan Ramo		Date: 6-2-23		Time: 16:48	
Delivered By: (Circle One)		Observed Temp. °C 4.9		Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 4.3		Cool ☒ Intact ☒	
FORM 006 R 3.3 07/10/22		CHECKED BY: JD		Turnaround Time: Standard	
Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com		Thermometer ID #113		Bacteria (only) Sample Condition	
		Correction Factor -0.6°C		Cool Intact ☒ Observed Temp. °C	
				Corrected Temp. °C	



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

June 09, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/06/23 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 24 (H232876-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.22	111	2.00	1.28	
Toluene*	<0.050	0.050	06/09/2023	ND	2.21	111	2.00	0.322	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	1.27	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.68	111	6.00	1.15	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 58.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 136 (4') (H232876-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8		
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5		
Total BTEX	<0.300	0.300	06/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	06/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	188	93.8	200	2.67		
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	181	90.3	200	2.58		
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND						

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 137 (4') (H232876-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEX	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	06/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 138 (4') (H232876-04)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEx	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	06/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 139 (4') (H232876-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEx	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	06/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 140 (4') (H232876-06)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEX	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	06/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 141 (4') (H232876-07)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEx	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5520	16.0	06/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 142 (4') (H232876-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8		
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5		
Total BTEX	<0.300	0.300	06/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	06/07/2023	ND	416	104	400	7.41	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 143 (4') (H232876-09)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEx	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	06/07/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 144 (4') (H232876-10)

BTEx 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8		
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5		
Total BTEX	<0.300	0.300	06/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	06/07/2023	ND	416	104	400	7.41		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	188	93.8	200	2.67		
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	181	90.3	200	2.58		
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND						

Surrogate: 1-Chlorooctane 56.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 145 (4') (H232876-11)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEX	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	06/07/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 65.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech Project Manager: Brittany Long Address: 901 W. Wall St City: Midland State: TX Zip: 79701 Phone #: Fax #: Project #: 212C-MD-03820 Project Owner: Project Name: Bronco Revelation Pond Release Project Location: Lea County, NM Sampler Name: Ivan Ramos		BILL TO P.O. #: Company: Solari's Midstream Attn: Rob Kirk Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
FOR LAB USE ONLY		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV ACID/BASE: ICE / COOL OTHER:	
SAMPLING DATE TIME		DATE TIME		ANALYSIS REQUEST	
Lab I.D. H233876		Sample I.D. SW-24 BH-136 (4') BH-137 (4') BH-138 (4') BH-139 (4') BH-140 (4') BH-141 (4') BH-142 (4') BH-143 (4') BH-144 (4')		TPH 8015 (GRO-ORO-MR) BTEX 8021B Chlorides 4500	
1 2 3 4 5 6 7 8 9 10		1 2 3 4 5 6 7 8 9 10		1 2 3 4 5 6 7 8 9 10	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising under this contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal.		Verbal Result: ☐ Yes ☒ No ☐ Add'l Phone #:		All Results are emailed. Please provide Email address:	
Relinquished By: Ivan Ramos		Received By: 6-6-2023 16:45 PM Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 50 Corrected Temp. °C 44		Sample Condition Cool ☒ Intact ☒ Bacteria (only) ☒ Sample Condition ☒ Cool Intact ☒ Observed Temp. °C Thermometer ID #113 Correction Factor -0.5°C	
Turnaround Time:		Standard ☒ Rush ☐		Bacteria (only) ☒ Sample Condition ☒ Cool Intact ☒ Observed Temp. °C Thermometer ID #113 Correction Factor -0.5°C	

† Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Brittany Long Address: 901 W. Wall St City: Midland State: TX Zip: 79701 Phone #: Fax #: Project #: 202C-MD-02820 Project Owner: Project Name: Brownsville Revelation Pond Release Project Location: Lea County, NM Sampler Name: Ivan Ramas				P.O. #: Company: Solaris Midstream Attn: Rob Kirk Address: City: State: Zip: Phone #: Fax #:			
BILL TO				ANALYSIS REQUEST			
FOR LAB USE ONLY				Lab I.D. H233876 11 Sample I.D. BH-145 (4) 1			
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:				MATRIX PRESERV SAMPLING DATE TIME 6/6/23 2:45			
BTEX 8021B TPH 8015 (GRD-DRD-MRD) Chlorides 4500							
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to, the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above sites, reasons or otherwise.							
Relinquished By: Ivan Ramas Relinquished Date: 6-6-2023 Relinquished Time: 16:45 PM Received By: [Signature] Received Date: 6-6-2023 Received Time: 16:45 PM				Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: Results are emailed. Please provide Email address:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C: 5.0 Corrected Temp. °C: 4.4 Sample Condition: Cool ☒ Intact ☒ Yes ☒ No ☐ Checked By: [Signature] Turnaround Time: Standard ☒ Rush ☐ Thermometer ID #113 Correction Factor -0.6°C Bacteria (only) Sample Condition: Cool Intact ☐ Observed Temp. °C Yes ☐ No ☐ Corrected Temp. °C				REMARKS:			

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

June 14, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/09/23 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 147 (4.0') (H232984-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1		
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1810	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	172	86.0	200	4.89	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	149	74.7	200	9.63	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 148 (4.0') (H232984-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1		
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 149 (4.0') (H232984-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1		
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	06/12/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 150 (4.0') (H232984-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1		
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 151 (4.0') (H232984-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1		
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 152 (4.0') (H232984-07)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1	
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	06/12/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 153 (4.0') (H232984-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1		
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5080	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 154 (4.0') (H232984-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1		
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 155 (4.0') (H232984-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1		
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8260	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 156 (4.0') (H232984-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.09	105	2.00	10.1		
Toluene*	<0.050	0.050	06/13/2023	ND	2.16	108	2.00	9.95		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.11	106	2.00	12.7		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.54	109	6.00	12.6		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 157 (4.0') (H232984-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61		
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	06/12/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 158 (4.0') (H232984-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61		
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	06/12/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 159 (4.0') (H232984-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61		
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1820	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 160 (4.0') (H232984-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61		
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 161 (4.0') (H232984-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61		
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 162 (4.0') (H232984-17)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48	QR-03
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28	QR-03
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68	QR-03
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70	QR-03
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/12/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 163 (4.0') (H232984-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	06/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 164 (4.0') (H232984-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 165 (4.0') (H232984-20)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 166 (4.0') (H232984-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 167 (4.0') (H232984-23)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	180	89.9	200	1.28	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	169	84.6	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 168 (4.0') (H232984-24)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 169 (4.0') (H232984-25)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 170 (4.0') (H232984-26)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 171 (4.0') (H232984-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 172 (4.0') (H232984-28)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 173 (4.0') (H232984-29)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 146 (4.0') (H232984-30)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48		
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Page 2 of 2



Tetra Tech, Inc.

 901 W Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: Solaris Midstream		Site Manager: Brittany Long	
Project Name: Bronco Revelation Pond Release		(432) 741-5813 Brittany.long@tetratech.com	
Project Location: Lea County, NM		Project #: 212C-MD-02820	
Invoice to: Attn: Rob Kirk		Sampler Signature: Jorge Fernandez	
Receiving Laboratory: Cardinal Labs		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS:
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE					
									YEAR: 2022				
1	BH-147 (4.0')	6/9/2023		X				X				X	
2	BH-148 (4.0')	6/9/2023		X				X				X	
3	BH-149 (4.0')	6/9/2023		X				X				X	
4	BH-149 (4.0')	6/9/2023		X				X				X	
5	BH-150 (4.0')	6/9/2023		X				X				X	
6	BH-151 (4.0')	6/9/2023		X				X				X	
7	BH-152 (4.0')	6/9/2023		X				X				X	
8	BH-153 (4.0')	6/9/2023		X				X				X	
9	BH-154 (4.0')	6/9/2023		X				X				X	
10	BH-155 (4.0')	6/9/2023		X				X				X	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT
	60.4°C	
	5.2°C #113	

LAB USE ONLY		REMARKS:
Sample Temperature	5.8°C	Standard TAT

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

Solaris Midstream

Site Manager:

Brittany Long

Project Name:

Bronco Revelation Pond Release

(432) 741-5813

Brittany.long@tetratech.com

Project Location:

Lea County, NM

Project #:

212C-MD-02820

Invoice to:

Attn: Rob Kirk

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Jorge Fernandez

Comments:

SAMPLE IDENTIFICATION

LAB #

(LAB USE ONLY)

SAMPLING

YEAR: 2022

DATE

TIME

WATER

SOIL

HCL

HNO₃

ICE

PRESERVATIVE METHOD

CONTAINERS

FILTERED (Y/N)

ANALYSIS REQUEST

(Circle or Specify Method No.)

- BTEX 8021B BTEX 8260B
- TPH TX1005 (Ext to C35)
- TPH 8015M (GRO - DRO - ORO - MRO)
- PAH 8270C
- Total Metals Ag As Ba Cd Cr Pb Se Hg
- TCLP Metals Ag As Ba Cd Cr Pb Se Hg
- TCLP Volatiles
- TCLP Semi Volatiles
- RCI
- GC/MS Vol. 8260B / 624
- GC/MS Semi. Vol. 8270C/625
- PCB's 8082 / 608
- NORM
- PLM (Asbestos)
- Chloride
- Chloride Sulfate TDS
- General Water Chemistry (see attached list)
- Anion/Cation Balance

Hold

Relinquished by:

Date:

Time:

6/9/23 1654

Relinquished by:

Date:

Time:

6/9/23 1655

Relinquished by:

Date:

Time:

6/9/23 1655

LAB USE ONLY

REMARKS: Standard TAT

Sample Temperature

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W. Main Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Solaris Midstream Site Manager: Brittany Long

Project Name: Bronco Revelation Pond Release (432) 741-5813
Brittany.Long@tetratech.com

Project Location: Lea County, NM Project #: 212C-MD-02820

Invoice to: Attn: Rob Kirk

Receiving Laboratory: Cardinal Labs Sampler Signature: Jorge Fernandez

Comments:

SAMPLE IDENTIFICATION

LAB #	LAB USE ONLY	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	# CONTAINERS	FILTERED (Y/N)
BH-165 (4.0')		6/9/2023		X				X		
BH-166 (4.0')		6/9/2023		X				X		
BH-167 (4.0')		6/9/2023		X				X		
BH-168 (4.0')		6/9/2023		X				X		
BH-169 (4.0')		6/9/2023		X				X		
BH-170 (4.0')		6/9/2023		X				X		
BH-171 (4.0')		6/9/2023		X				X		
BH-172 (4.0')		6/9/2023		X				X		
BH-173 (4.0')		6/9/2023		X				X		
BH-146 (4.0')		6/9/2023								

Relinquished by: Date: Time: 6/19/23

Relinquished by: Date: Time: 6/19/23

Relinquished by: Date: Time: 6/19/23

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
Hold	

LAB USE ONLY

Sample Temperature

5.8°C
C-0.06°C
5.2°C #113

REMARKS: Standard TAT

- ☐ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 26, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 25 (H233209-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.44	122	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2023	ND	2.23	111	2.00	1.37	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	1.84	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.40	107	6.00	2.01	
Total BTEX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/21/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	177	88.3	200	3.03	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	186	93.0	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 26 (H233209-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00		
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78		
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36		
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82		
Total BTEx	<0.300	0.300	06/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/21/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	180	89.9	200	1.60	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	165	82.6	200	0.186	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 27 (H233209-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00		
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78		
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36		
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82		
Total BTEx	<0.300	0.300	06/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/21/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	164	81.8	200	5.62	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	161	80.7	200	9.07	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 28 (H233209-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00		
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78		
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36		
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82		
Total BTEx	<0.300	0.300	06/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/21/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	164	81.8	200	5.62	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	161	80.7	200	9.07	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 29 (H233209-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00		
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78		
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36		
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82		
Total BTEx	<0.300	0.300	06/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	06/21/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	164	81.8	200	5.62	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	161	80.7	200	9.07	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 30 (H233209-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00		
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78		
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36		
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82		
Total BTEx	<0.300	0.300	06/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/21/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	164	81.8	200	5.62	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	161	80.7	200	9.07	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 31 (H233209-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00		
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78		
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36		
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82		
Total BTEx	<0.300	0.300	06/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/21/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	164	81.8	200	5.62	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	161	80.7	200	9.07	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 32 (H233209-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00		
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78		
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36		
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82		
Total BTEx	<0.300	0.300	06/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/21/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 33 (H233209-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00		
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78		
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36		
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82		
Total BTEX	<0.300	0.300	06/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 16, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/09/23 17:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 36 (H234283-01)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2023	ND	2.01	101	2.00	0.236	
Toluene*	<0.050	0.050	08/13/2023	ND	1.92	96.2	2.00	0.140	
Ethylbenzene*	<0.050	0.050	08/13/2023	ND	1.94	97.1	2.00	0.393	
Total Xylenes*	<0.150	0.150	08/13/2023	ND	5.69	94.8	6.00	0.517	
Total BTEX	<0.300	0.300	08/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 37 (H234283-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2023	ND	2.01	101	2.00	0.236	
Toluene*	<0.050	0.050	08/13/2023	ND	1.92	96.2	2.00	0.140	
Ethylbenzene*	<0.050	0.050	08/13/2023	ND	1.94	97.1	2.00	0.393	
Total Xylenes*	<0.150	0.150	08/13/2023	ND	5.69	94.8	6.00	0.517	
Total BTEX	<0.300	0.300	08/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	08/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 38 (H234283-03)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2023	ND	2.01	101	2.00	0.236	
Toluene*	<0.050	0.050	08/13/2023	ND	1.92	96.2	2.00	0.140	
Ethylbenzene*	<0.050	0.050	08/13/2023	ND	1.94	97.1	2.00	0.393	
Total Xylenes*	<0.150	0.150	08/13/2023	ND	5.69	94.8	6.00	0.517	
Total BTEX	<0.300	0.300	08/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	08/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 39 (H234283-04)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2023	ND	2.01	101	2.00	0.236	
Toluene*	<0.050	0.050	08/13/2023	ND	1.92	96.2	2.00	0.140	
Ethylbenzene*	<0.050	0.050	08/13/2023	ND	1.94	97.1	2.00	0.393	
Total Xylenes*	<0.150	0.150	08/13/2023	ND	5.69	94.8	6.00	0.517	
Total BTEX	<0.300	0.300	08/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	08/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 40 (H234283-05)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2023	ND	2.01	101	2.00	0.236	
Toluene*	<0.050	0.050	08/13/2023	ND	1.92	96.2	2.00	0.140	
Ethylbenzene*	<0.050	0.050	08/13/2023	ND	1.94	97.1	2.00	0.393	
Total Xylenes*	<0.150	0.150	08/13/2023	ND	5.69	94.8	6.00	0.517	
Total BTEX	<0.300	0.300	08/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 41 (H234283-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2023	ND	2.01	101	2.00	0.236		
Toluene*	<0.050	0.050	08/13/2023	ND	1.92	96.2	2.00	0.140		
Ethylbenzene*	<0.050	0.050	08/13/2023	ND	1.94	97.1	2.00	0.393		
Total Xylenes*	<0.150	0.150	08/13/2023	ND	5.69	94.8	6.00	0.517		
Total BTEx	<0.300	0.300	08/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 42 (H234283-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398		
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821		
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16		
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28		
Total BTEX	<0.300	0.300	08/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	08/13/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 43 (H234283-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398		
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821		
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16		
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28		
Total BTEX	<0.300	0.300	08/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 44 (H234283-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398	
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821	
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16	
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28	
Total BTEX	<0.300	0.300	08/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/09/2023
Reported: 08/16/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/08/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 45 (H234283-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398	
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821	
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16	
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28	
Total BTX	<0.300	0.300	08/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/13/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 46 (H234283-11)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398		
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821		
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16		
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28		
Total BTEX	<0.300	0.300	08/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 47 (H234283-12)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398		
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821		
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16		
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28		
Total BTEX	<0.300	0.300	08/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 48 (H234283-13)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398		
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821		
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16		
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28		
Total BTEX	<0.300	0.300	08/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/09/2023
Reported: 08/16/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/08/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 49 (H234283-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398	
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821	
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16	
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28	
Total BTEX	<0.300	0.300	08/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/13/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 50 (H234283-15)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398		
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821		
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16		
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28		
Total BTEX	<0.300	0.300	08/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 51 (H234283-16)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398	
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821	
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16	
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28	
Total BTX	<0.300	0.300	08/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 52 (H234283-17)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398	
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821	
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16	
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28	
Total BTX	<0.300	0.300	08/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	174	87.0	200	1.38	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	180	90.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 53 (H234283-18)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398		
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821		
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16		
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28		
Total BTX	<0.300	0.300	08/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	156	78.1	200	0.654	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	161	80.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 54 (H234283-19)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398	
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821	
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16	
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28	
Total BTX	<0.300	0.300	08/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	156	78.1	200	0.654	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	161	80.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/09/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 55 (H234283-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2023	ND	2.07	104	2.00	0.398		
Toluene*	<0.050	0.050	08/14/2023	ND	2.00	100	2.00	0.821		
Ethylbenzene*	<0.050	0.050	08/14/2023	ND	2.03	102	2.00	1.16		
Total Xylenes*	<0.150	0.150	08/14/2023	ND	6.07	101	6.00	1.28		
Total BTEX	<0.300	0.300	08/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/13/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	156	78.1	200	0.654	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	161	80.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Tetra Tech</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Brittany Long</u>		Company: <u>Solaris Midstream</u>					
Address:		Attn: <u>Rob Kink</u>					
City:		Address:					
State:		City:					
Zip:		State:					
Phone #:		Fax #:					
Project #: <u>202-MD-02890</u>		Project Owner:					
Project Name: <u>Bracco Revelation Poul Release</u>		City:					
Project Location: <u>Lea County, NM</u>		State:					
Sampler Name: <u>Ivan Ramo</u>		Phone #:					
Fax #:		Zip:					

FOR LAB USE ONLY	MATRIX	PRESERV	SAMPLING	DATE	TIME	ANALYSIS					
Lab I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :
<u>H234283</u>											
<u>1</u>	<u>SW-36</u>										
<u>2</u>	<u>SW-37</u>										
<u>3</u>	<u>SW-38</u>										
<u>4</u>	<u>SW-39</u>										
<u>5</u>	<u>SW-40</u>										
<u>6</u>	<u>SW-41</u>										
<u>7</u>	<u>SW-42</u>										
<u>8</u>	<u>SW-43</u>										
<u>9</u>	<u>SW-44</u>										
<u>10</u>	<u>SW-45</u>										

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based on any of the above stated reasons or otherwise.

Relinquished By: Ivan Ramo Date: 8-9-23 Time: 1730

Received By: [Signature] Date: 8-9-23 Time: 1730

Relinquished By: [Signature] Date: 8-9-23 Time: 1730

Received By: [Signature] Date: 8-9-23 Time: 1730

Delivered By: (Circle One) Observed Temp. °C 3.6 Sample Condition Cool Intact CHECKED BY: (Initials) [Signature]

Sampler - UPS - Bus - Other: Corrected Temp. °C 3.6 Sample Condition Cool Intact CHECKED BY: (Initials) [Signature]

Turnaround Time: 12:00 Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C 3.6

Thermometer ID #140 Correction Factor 0°C 0.0 Bacteria (only) Sample Condition Cool Intact Observed Temp. °C 3.6

REMARKS:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Brittany Long Address: City: State: Zip: Phone #: Fax #: Project #: 213C-MD-03820 Project Owner: Project Name: Brownco Revelation Pond Release Project Location: Lea County, NM Sample Name: Ivan Ramas				BILL TO P.O. #: Company: Solaris Midstream Attn: Rob Kirk Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST															
FOR LAB USE ONLY				LAB I.D. Sample I.D.				Matrix (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:				PRESERV DATE TIME				SAMPLING							
11 12 13 14 15 16 17 18 19 20				SW-46 SW-47 SW-48 SW-49 SW-50 SW-51 SW-52 SW-53 SW-54 SW-55				8/8/23 12:30 13:45 13:00 13:45 14:00 14:05 14:30 14:45 15:00 15:30				X X X X X X X X X X X				TPH 8015 M (GRO-DRO-MRO) BTEX 8021B Chlorides 4500							
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																							
Relinquished By: <i>Chuan Ramas</i> Date: 8-9-23 Time: 1730				Received By: <i>Yamara Chelley</i> Date: 8-9-23 Time: 1730				Verbal Result: ☐ Yes ☒ No Add'l Phone #: All Results are emailed. Please provide Email address:				REMARKS:											
Delivered By: (Circle One) Sampler - UPS Bus Other:				Observed Temp. °C 36 Corrected Temp. °C				Sample Condition Cool Intact ☒ Yes ☐ No Other: ☐ Yes ☐ No				CHECKED BY: <i>YB</i> Turnaround Time: Thermometer ID #140 Correction Factor 0°C				Standard ☒ Rush ☐ Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C							



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 24, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/18/23 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/18/2023	Sampling Date:	08/18/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 39 (H234518-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.93	96.4	2.00	2.49	
Toluene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	9.97	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	3.03	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.07	101	6.00	3.03	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/23/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/18/2023	Sampling Date:	08/18/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 42 (H234518-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.93	96.4	2.00	2.49		
Toluene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	9.97		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	3.03		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.07	101	6.00	3.03		
Total BTEx	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 50 (H234518-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.93	96.4	2.00	2.49		
Toluene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	9.97		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	3.03		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.07	101	6.00	3.03		
Total BTEx	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/23/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 51 (H234518-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29	
Total BTEx	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/18/2023	Sampling Date:	08/18/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 52 (H234518-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29		
Total BTEx	<0.300	0.300	08/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/18/2023	Sampling Date:	08/18/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 37 (H234518-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 38 (H234518-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/18/2023	Sampling Date:	08/18/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 227 (4') (H234518-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29		
Total BTEx	<0.300	0.300	08/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 228 (4') (H234518-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 229 (4') (H234518-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29		
Total BTEx	<0.300	0.300	08/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 01, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO WATER RELEASE REVELATION POND

Enclosed are the results of analyses for samples received by the laboratory on 09/01/23 10:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/01/2023	Sampling Date:	08/31/2023
Reported:	09/01/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: BH - 217 (4.0') (H234759-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2023	ND	1.82	90.9	2.00	2.11		
Toluene*	<0.050	0.050	09/01/2023	ND	1.77	88.7	2.00	1.70		
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.84	92.0	2.00	2.52		
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.50	91.7	6.00	2.97		
Total BTEX	<0.300	0.300	09/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	09/01/2023	Sampling Date:	08/31/2023
Reported:	09/01/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: SW - 59 (H234759-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2023	ND	1.82	90.9	2.00	2.11		
Toluene*	<0.050	0.050	09/01/2023	ND	1.77	88.7	2.00	1.70		
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	1.84	92.0	2.00	2.52		
Total Xylenes*	<0.150	0.150	09/01/2023	ND	5.50	91.7	6.00	2.97		
Total BTEx	<0.300	0.300	09/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
McAllen, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page 1 of 1

Client Name:

Solaris

Site Manager:

Brittany Long

Project Name:

Bronco Water Revelation Pond

(432) 741-5813

Project Location:

Lea County, NM

Project #:

brittany.long@tetratech.com

Invoice to:

Solaris

Receiving Laboratory:

Cardinal

Sampler Signature:

Miguel A. Flores

Comments:

LAB #
LAB USE ONLY

SAMPLE IDENTIFICATION

1 BH-217 (4.0')

2 SW-59

SAMPLING
YEAR: 2023

DATE
TIME

MATRIX
WATER
SOIL
HCL
HNO₃
ICE

PRESERVATIVE
METHOD

CONTAINERS
FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

ANALYSIS REQUEST

(Circle or Specify Method No.)

Relinquished by:

Date: 10/00

Received by:

Date: 10/06

Relinquished by:

Date: 9/11/23

Received by:

Date: 9/1/23

Relinquished by:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

Sample Temperature

☒ RUSH: same Day 24 hr 48 hr 72 hr
☐ Rush Changes Authorized
☐ Special Report Limits or TRRP Report

REMARKS: Standard

#140

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Brittany Long
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Generated 7/24/2023 12:41:24 PM Revision 1

JOB DESCRIPTION

Bronco Revelation Pond Water Release
SDG NUMBER Lea County, NM

JOB NUMBER

880-30464-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

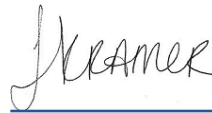
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Generated
7/24/2023 12:41:24 PM
Revision 1

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Laboratory Job ID: 880-30464-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	29
QC Sample Results	31
QC Association Summary	43
Lab Chronicle	51
Certification Summary	60
Method Summary	61
Sample Summary	62
Chain of Custody	63
Receipt Checklists	66

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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)
TNTC	Too Numerous To Count

Eurofins Midland

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Job ID: 880-30464-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-30464-1**

REVISION

The report being provided is a revision of the original report sent on 7/20/2023. The report (revision 1) is being revised due to Per client email, requesting chloride re run.

Receipt

The samples were received on 7/7/2023 2:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH-174 (4') (880-30464-1), BH-175 (4') (880-30464-2), BH-176 (4') (880-30464-3), BH-177 (4') (880-30464-4), BH-178 (4') (880-30464-5), BH-179 (4') (880-30464-6), BH-180 (4') (880-30464-7), BH-181 (4') (880-30464-8), BH-182 (4') (880-30464-9), BH-183 (4') (880-30464-10), BH-184 (4') (880-30464-11), BH-185 (4') (880-30464-12), BH-186 (4') (880-30464-13), BH-187 (4') (880-30464-14), BH-188 (4') (880-30464-15), BH-189 (4') (880-30464-16), BH-190 (4') (880-30464-17), BH-191 (4') (880-30464-18), BH-192 (4') (880-30464-19), BH-193 (4') (880-30464-20), BH-194 (4') (880-30464-21), BH-195 (4') (880-30464-22), BH-196 (4') (880-30464-23), BH-197 (4') (880-30464-24), BH-198 (4') (880-30464-25), BH-199 (4') (880-30464-26), BH-200 (4') (880-30464-27), BH-201 (4') (880-30464-28) and SW-34 (880-30464-29).

GC VOA

Method 8021B: CCV was biased low for benzene. Another CCV was analyzed and acceptable within the 12 hour window; therefore the data was qualified and reported.(CCV 880-57167/20)

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-196 (4') (880-30464-23), BH-201 (4') (880-30464-28) and SW-34 (880-30464-29). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-57254 recovered above the upper control limit for Benzene and Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-57254/20).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-57564 and analytical batch 880-57666 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-57666/20), (CCV 880-57666/31), (CCV 880-57666/5) and (LCSD 880-57564/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-194 (4') (880-30464-21), BH-195 (4') (880-30464-22), BH-196 (4') (880-30464-23), BH-197 (4') (880-30464-24), BH-198 (4') (880-30464-25), BH-199 (4') (880-30464-26), BH-200 (4') (880-30464-27), (890-4924-A-1-G) and (890-4924-A-1-H MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-57538 and analytical batch 880-57759 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-175 (4') (880-30464-2) and (880-30464-A-1-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Job ID: 880-30464-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-57759/20), (CCV 880-57759/31) and (CCV 880-57759/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-178 (4') (880-30464-5), BH-184 (4') (880-30464-11) and BH-193 (4') (880-30464-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57538 and analytical batch 880-57759 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.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-57759 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-57759/31).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-57730 and analytical batch 880-57996 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-4939-A-1-F). 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-201 (4') (880-30464-28) and SW-34 (880-30464-29). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57181 and analytical batch 880-57326 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.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-58211 and analytical batch 880-58248 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 Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-174 (4')

Lab Sample ID: 880-30464-1

Date Collected: 07/06/23 10:00

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:02	07/08/23 00:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:02	07/08/23 00:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:02	07/08/23 00:46	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/07/23 16:02	07/08/23 00:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:02	07/08/23 00:46	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/07/23 16:02	07/08/23 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/07/23 16:02	07/08/23 00:46	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/07/23 16:02	07/08/23 00:46	1

Method: TAL SOP 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			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F2	49.7		mg/Kg		07/12/23 16:29	07/16/23 12:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U F1	49.7		mg/Kg		07/12/23 16:29	07/16/23 12:09	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/12/23 16:29	07/16/23 12:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	07/12/23 16:29	07/16/23 12:09	1
o-Terphenyl	109		70 - 130	07/12/23 16:29	07/16/23 12:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3170	F1	25.1		mg/Kg			07/10/23 19:04	5

Client Sample ID: BH-175 (4')

Lab Sample ID: 880-30464-2

Date Collected: 07/06/23 10:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/07/23 16:02	07/08/23 01:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/07/23 16:02	07/08/23 01:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/07/23 16:02	07/08/23 01:06	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/07/23 16:02	07/08/23 01:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/07/23 16:02	07/08/23 01:06	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/07/23 16:02	07/08/23 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/07/23 16:02	07/08/23 01:06	1
1,4-Difluorobenzene (Surr)	114		70 - 130	07/07/23 16:02	07/08/23 01:06	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-175 (4')

Lab Sample ID: 880-30464-2

Date Collected: 07/06/23 10:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/12/23 16:29	07/16/23 13:16	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/12/23 16:29	07/16/23 13:16	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/12/23 16:29	07/16/23 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				07/12/23 16:29	07/16/23 13:16	1
o-Terphenyl	116		70 - 130				07/12/23 16:29	07/16/23 13:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2080		25.0		mg/Kg			07/10/23 19:19	5

Client Sample ID: BH-176 (4')

Lab Sample ID: 880-30464-3

Date Collected: 07/06/23 10:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 01:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 01:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 01:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/07/23 16:02	07/08/23 01:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 01:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/07/23 16:02	07/08/23 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/07/23 16:02	07/08/23 01:27	1
1,4-Difluorobenzene (Surr)	110		70 - 130				07/07/23 16:02	07/08/23 01:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		07/12/23 16:29	07/16/23 13:38	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		07/12/23 16:29	07/16/23 13:38	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-176 (4')

Lab Sample ID: 880-30464-3

Date Collected: 07/06/23 10:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		07/12/23 16:29	07/16/23 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				07/12/23 16:29	07/16/23 13:38	1
o-Terphenyl	108		70 - 130				07/12/23 16:29	07/16/23 13:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	525		4.98		mg/Kg			07/10/23 19:23	1

Client Sample ID: BH-177 (4')

Lab Sample ID: 880-30464-4

Date Collected: 07/06/23 10:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:02	07/08/23 01:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:02	07/08/23 01:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:02	07/08/23 01:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/07/23 16:02	07/08/23 01:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:02	07/08/23 01:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/23 16:02	07/08/23 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				07/07/23 16:02	07/08/23 01:48	1
1,4-Difluorobenzene (Surr)	113		70 - 130				07/07/23 16:02	07/08/23 01:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/12/23 16:29	07/16/23 14:00	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/12/23 16:29	07/16/23 14:00	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/12/23 16:29	07/16/23 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				07/12/23 16:29	07/16/23 14:00	1
o-Terphenyl	102		70 - 130				07/12/23 16:29	07/16/23 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	524		4.95		mg/Kg			07/10/23 19:28	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-178 (4')

Lab Sample ID: 880-30464-5

Date Collected: 07/06/23 11:00

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 02:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 02:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 02:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/07/23 16:02	07/08/23 02:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 02:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/23 16:02	07/08/23 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/07/23 16:02	07/08/23 02:09	1
1,4-Difluorobenzene (Surr)	110		70 - 130	07/07/23 16:02	07/08/23 02:09	1

Method: TAL SOP 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			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	169		50.2		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/12/23 16:29	07/16/23 14:21	1
Diesel Range Organics (Over C10-C28)	169		50.2		mg/Kg		07/12/23 16:29	07/16/23 14:21	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/12/23 16:29	07/16/23 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	6	S1-	70 - 130	07/12/23 16:29	07/16/23 14:21	1
o-Terphenyl	21	S1-	70 - 130	07/12/23 16:29	07/16/23 14:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	752		5.00		mg/Kg			07/10/23 19:33	1

Client Sample ID: BH-179 (4')

Lab Sample ID: 880-30464-6

Date Collected: 07/06/23 11:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:02	07/08/23 02:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:02	07/08/23 02:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:02	07/08/23 02:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/07/23 16:02	07/08/23 02:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:02	07/08/23 02:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/23 16:02	07/08/23 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/07/23 16:02	07/08/23 02:29	1
1,4-Difluorobenzene (Surr)	105		70 - 130	07/07/23 16:02	07/08/23 02:29	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-179 (4')

Lab Sample ID: 880-30464-6

Date Collected: 07/06/23 11:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/12/23 16:29	07/16/23 14:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/12/23 16:29	07/16/23 14:43	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/12/23 16:29	07/16/23 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				07/12/23 16:29	07/16/23 14:43	1
o-Terphenyl	109		70 - 130				07/12/23 16:29	07/16/23 14:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.6		5.00		mg/Kg			07/10/23 19:48	1

Client Sample ID: BH-180 (4')

Lab Sample ID: 880-30464-7

Date Collected: 07/06/23 11:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 02:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 02:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 02:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/07/23 16:02	07/08/23 02:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 02:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/07/23 16:02	07/08/23 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/07/23 16:02	07/08/23 02:50	1
1,4-Difluorobenzene (Surr)	110		70 - 130				07/07/23 16:02	07/08/23 02:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/12/23 16:29	07/16/23 15:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/12/23 16:29	07/16/23 15:04	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-180 (4')

Lab Sample ID: 880-30464-7

Date Collected: 07/06/23 11:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/12/23 16:29	07/16/23 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				07/12/23 16:29	07/16/23 15:04	1
o-Terphenyl	107		70 - 130				07/12/23 16:29	07/16/23 15:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.0		4.96		mg/Kg			07/10/23 19:53	1

Client Sample ID: BH-181 (4')

Lab Sample ID: 880-30464-8

Date Collected: 07/06/23 11:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 03:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 03:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 03:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/07/23 16:02	07/08/23 03:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 03:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/07/23 16:02	07/08/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/07/23 16:02	07/08/23 03:11	1
1,4-Difluorobenzene (Surr)	108		70 - 130				07/07/23 16:02	07/08/23 03:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/23 16:29	07/16/23 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/23 16:29	07/16/23 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/23 16:29	07/16/23 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				07/12/23 16:29	07/16/23 17:45	1
o-Terphenyl	110		70 - 130				07/12/23 16:29	07/16/23 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	223		4.98		mg/Kg			07/10/23 19:58	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-182 (4')

Lab Sample ID: 880-30464-9

Date Collected: 07/06/23 12:00

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:02	07/08/23 03:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:02	07/08/23 03:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:02	07/08/23 03:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/07/23 16:02	07/08/23 03:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:02	07/08/23 03:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/23 16:02	07/08/23 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/07/23 16:02	07/08/23 03:31	1
1,4-Difluorobenzene (Surr)	110		70 - 130	07/07/23 16:02	07/08/23 03:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/12/23 16:29	07/16/23 18:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/12/23 16:29	07/16/23 18:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/12/23 16:29	07/16/23 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	07/12/23 16:29	07/16/23 18:05	1
o-Terphenyl	108		70 - 130	07/12/23 16:29	07/16/23 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430		4.99		mg/Kg			07/10/23 20:03	1

Client Sample ID: BH-183 (4')

Lab Sample ID: 880-30464-10

Date Collected: 07/06/23 12:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/07/23 16:02	07/08/23 03:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/07/23 16:02	07/08/23 03:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/07/23 16:02	07/08/23 03:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/07/23 16:02	07/08/23 03:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/07/23 16:02	07/08/23 03:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/07/23 16:02	07/08/23 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/07/23 16:02	07/08/23 03:52	1
1,4-Difluorobenzene (Surr)	112		70 - 130	07/07/23 16:02	07/08/23 03:52	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-183 (4')

Lab Sample ID: 880-30464-10

Date Collected: 07/06/23 12:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/10/23 14:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/12/23 16:29	07/16/23 18:27	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/12/23 16:29	07/16/23 18:27	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/12/23 16:29	07/16/23 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				07/12/23 16:29	07/16/23 18:27	1
o-Terphenyl	107		70 - 130				07/12/23 16:29	07/16/23 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	532		4.95		mg/Kg			07/10/23 20:08	1

Client Sample ID: BH-184 (4')

Lab Sample ID: 880-30464-11

Date Collected: 07/06/23 12:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 15:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 15:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 15:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/10/23 09:14	07/10/23 15:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 15:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/10/23 09:14	07/10/23 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				07/10/23 09:14	07/10/23 15:13	1
1,4-Difluorobenzene (Surr)	118		70 - 130				07/10/23 09:14	07/10/23 15:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/12/23 16:29	07/16/23 19:09	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/12/23 16:29	07/16/23 19:09	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-184 (4')

Lab Sample ID: 880-30464-11

Date Collected: 07/06/23 12:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/12/23 16:29	07/16/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				07/12/23 16:29	07/16/23 19:09	1
o-Terphenyl	111		70 - 130				07/12/23 16:29	07/16/23 19:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1580		24.9		mg/Kg			07/10/23 20:13	5

Client Sample ID: BH-185 (4')

Lab Sample ID: 880-30464-12

Date Collected: 07/06/23 13:00

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/10/23 09:14	07/10/23 15:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/10/23 09:14	07/10/23 15:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/10/23 09:14	07/10/23 15:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/10/23 09:14	07/10/23 15:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/10/23 09:14	07/10/23 15:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/10/23 09:14	07/10/23 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				07/10/23 09:14	07/10/23 15:34	1
1,4-Difluorobenzene (Surr)	116		70 - 130				07/10/23 09:14	07/10/23 15:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/12/23 16:29	07/16/23 19:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/12/23 16:29	07/16/23 19:30	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/12/23 16:29	07/16/23 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				07/12/23 16:29	07/16/23 19:30	1
o-Terphenyl	106		70 - 130				07/12/23 16:29	07/16/23 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2650		25.3		mg/Kg			07/10/23 20:28	5

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-186 (4')

Lab Sample ID: 880-30464-13

Date Collected: 07/06/23 13:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 16:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 16:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 16:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/10/23 09:14	07/10/23 16:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 16:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/10/23 09:14	07/10/23 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/10/23 09:14	07/10/23 16:57	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/10/23 09:14	07/10/23 16:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/12/23 16:29	07/16/23 19:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/12/23 16:29	07/16/23 19:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/12/23 16:29	07/16/23 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	07/12/23 16:29	07/16/23 19:52	1
o-Terphenyl	110		70 - 130	07/12/23 16:29	07/16/23 19:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2690		25.1		mg/Kg			07/10/23 20:33	5

Client Sample ID: BH-187 (4')

Lab Sample ID: 880-30464-14

Date Collected: 07/06/23 13:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/10/23 09:14	07/10/23 17:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/10/23 09:14	07/10/23 17:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/10/23 09:14	07/10/23 17:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/10/23 09:14	07/10/23 17:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/10/23 09:14	07/10/23 17:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/10/23 09:14	07/10/23 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/10/23 09:14	07/10/23 17:18	1
1,4-Difluorobenzene (Surr)	120		70 - 130	07/10/23 09:14	07/10/23 17:18	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-187 (4')

Lab Sample ID: 880-30464-14

Date Collected: 07/06/23 13:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: TAL SOP 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			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/12/23 16:29	07/16/23 20:13	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/12/23 16:29	07/16/23 20:13	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/12/23 16:29	07/16/23 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				07/12/23 16:29	07/16/23 20:13	1
o-Terphenyl	109		70 - 130				07/12/23 16:29	07/16/23 20:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		4.98		mg/Kg			07/10/23 20:48	1

Client Sample ID: BH-188 (4')

Lab Sample ID: 880-30464-15

Date Collected: 07/06/23 13:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/10/23 09:14	07/10/23 17:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/10/23 09:14	07/10/23 17:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/10/23 09:14	07/10/23 17:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/10/23 09:14	07/10/23 17:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/10/23 09:14	07/10/23 17:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/10/23 09:14	07/10/23 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				07/10/23 09:14	07/10/23 17:38	1
1,4-Difluorobenzene (Surr)	115		70 - 130				07/10/23 09:14	07/10/23 17:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/12/23 16:29	07/16/23 20:35	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/12/23 16:29	07/16/23 20:35	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-188 (4')

Lab Sample ID: 880-30464-15

Date Collected: 07/06/23 13:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/12/23 16:29	07/16/23 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				07/12/23 16:29	07/16/23 20:35	1
o-Terphenyl	106		70 - 130				07/12/23 16:29	07/16/23 20:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		5.00		mg/Kg			07/10/23 20:53	1

Client Sample ID: BH-189 (4')

Lab Sample ID: 880-30464-16

Date Collected: 07/06/23 14:00

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/10/23 09:14	07/10/23 17:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/10/23 09:14	07/10/23 17:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/10/23 09:14	07/10/23 17:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/10/23 09:14	07/10/23 17:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/10/23 09:14	07/10/23 17:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/10/23 09:14	07/10/23 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/10/23 09:14	07/10/23 17:59	1
1,4-Difluorobenzene (Surr)	116		70 - 130				07/10/23 09:14	07/10/23 17:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/12/23 16:29	07/16/23 20:56	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/12/23 16:29	07/16/23 20:56	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/12/23 16:29	07/16/23 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				07/12/23 16:29	07/16/23 20:56	1
o-Terphenyl	109		70 - 130				07/12/23 16:29	07/16/23 20:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		4.99		mg/Kg			07/10/23 20:58	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-190 (4')

Lab Sample ID: 880-30464-17

Date Collected: 07/06/23 14:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 18:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 18:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 18:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/10/23 09:14	07/10/23 18:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 18:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/10/23 09:14	07/10/23 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/10/23 09:14	07/10/23 18:20	1
1,4-Difluorobenzene (Surr)	115		70 - 130	07/10/23 09:14	07/10/23 18:20	1

Method: TAL SOP 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			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/12/23 16:29	07/16/23 21:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/12/23 16:29	07/16/23 21:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/12/23 16:29	07/16/23 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	07/12/23 16:29	07/16/23 21:17	1
o-Terphenyl	105		70 - 130	07/12/23 16:29	07/16/23 21:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		25.2		mg/Kg			07/10/23 21:03	5

Client Sample ID: BH-191 (4')

Lab Sample ID: 880-30464-18

Date Collected: 07/06/23 14:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 18:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 18:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 18:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/10/23 09:14	07/10/23 18:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/10/23 09:14	07/10/23 18:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/10/23 09:14	07/10/23 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/10/23 09:14	07/10/23 18:41	1
1,4-Difluorobenzene (Surr)	113		70 - 130	07/10/23 09:14	07/10/23 18:41	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-191 (4')

Lab Sample ID: 880-30464-18

Date Collected: 07/06/23 14:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	121		49.6		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/12/23 16:29	07/17/23 06:39	1
Diesel Range Organics (Over C10-C28)	121		49.6		mg/Kg		07/12/23 16:29	07/17/23 06:39	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/12/23 16:29	07/17/23 06:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				07/12/23 16:29	07/17/23 06:39	1
o-Terphenyl	111		70 - 130				07/12/23 16:29	07/17/23 06:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2410		24.9		mg/Kg			07/10/23 21:08	5

Client Sample ID: BH-192 (4')

Lab Sample ID: 880-30464-19

Date Collected: 07/06/23 14:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 19:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/10/23 09:14	07/10/23 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 19:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/10/23 09:14	07/10/23 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/10/23 09:14	07/10/23 19:01	1
1,4-Difluorobenzene (Surr)	114		70 - 130				07/10/23 09:14	07/10/23 19:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/12/23 16:29	07/17/23 07:24	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/12/23 16:29	07/17/23 07:24	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-192 (4')

Lab Sample ID: 880-30464-19

Date Collected: 07/06/23 14:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/12/23 16:29	07/17/23 07:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				07/12/23 16:29	07/17/23 07:24	1
o-Terphenyl	103		70 - 130				07/12/23 16:29	07/17/23 07:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2490		25.0		mg/Kg			07/10/23 21:13	5

Client Sample ID: BH-193 (4')

Lab Sample ID: 880-30464-20

Date Collected: 07/06/23 15:00

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/10/23 09:14	07/10/23 19:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/10/23 09:14	07/10/23 19:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/10/23 09:14	07/10/23 19:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/10/23 09:14	07/10/23 19:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/10/23 09:14	07/10/23 19:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/10/23 09:14	07/10/23 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/10/23 09:14	07/10/23 19:22	1
1,4-Difluorobenzene (Surr)	110		70 - 130				07/10/23 09:14	07/10/23 19:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/17/23 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/12/23 16:29	07/17/23 07:56	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/12/23 16:29	07/17/23 07:56	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/12/23 16:29	07/17/23 07:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				07/12/23 16:29	07/17/23 07:56	1
o-Terphenyl	119		70 - 130				07/12/23 16:29	07/17/23 07:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	287		5.00		mg/Kg			07/11/23 10:21	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-194 (4')

Lab Sample ID: 880-30464-21

Date Collected: 07/06/23 15:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 07:50	1
Toluene	0.0106		0.00201		mg/Kg		07/07/23 16:04	07/08/23 07:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 07:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/07/23 16:04	07/08/23 07:50	1
o-Xylene	0.00703		0.00201		mg/Kg		07/07/23 16:04	07/08/23 07:50	1
Xylenes, Total	0.00703		0.00402		mg/Kg		07/07/23 16:04	07/08/23 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/07/23 16:04	07/08/23 07:50	1
1,4-Difluorobenzene (Surr)	77		70 - 130	07/07/23 16:04	07/08/23 07:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0176		0.00402		mg/Kg			07/10/23 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/17/23 14:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/13/23 09:12	07/14/23 17:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/13/23 09:12	07/14/23 17:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/13/23 09:12	07/14/23 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	07/13/23 09:12	07/14/23 17:19	1
o-Terphenyl	138	S1+	70 - 130	07/13/23 09:12	07/14/23 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	652		5.02		mg/Kg			07/11/23 01:32	1

Client Sample ID: BH-195 (4')

Lab Sample ID: 880-30464-22

Date Collected: 07/06/23 15:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:04	07/08/23 09:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:04	07/08/23 09:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:04	07/08/23 09:34	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/07/23 16:04	07/08/23 09:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:04	07/08/23 09:34	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/07/23 16:04	07/08/23 09:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/07/23 16:04	07/08/23 09:34	1
1,4-Difluorobenzene (Surr)	73		70 - 130	07/07/23 16:04	07/08/23 09:34	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-195 (4')

Lab Sample ID: 880-30464-22

Date Collected: 07/06/23 15:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: TAL SOP 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			07/10/23 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/17/23 14:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/13/23 09:12	07/14/23 17:41	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/13/23 09:12	07/14/23 17:41	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/13/23 09:12	07/14/23 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				07/13/23 09:12	07/14/23 17:41	1
o-Terphenyl	149	S1+	70 - 130				07/13/23 09:12	07/14/23 17:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4310		24.8		mg/Kg			07/11/23 01:38	5

Client Sample ID: BH-196 (4')

Lab Sample ID: 880-30464-23

Date Collected: 07/06/23 15:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 09:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 09:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 09:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/07/23 16:04	07/08/23 09:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 09:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/23 16:04	07/08/23 09:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				07/07/23 16:04	07/08/23 09:54	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130				07/07/23 16:04	07/08/23 09:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/10/23 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/17/23 14:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/13/23 09:12	07/14/23 18:03	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/13/23 09:12	07/14/23 18:03	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-196 (4')

Lab Sample ID: 880-30464-23

Date Collected: 07/06/23 15:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/13/23 09:12	07/14/23 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				07/13/23 09:12	07/14/23 18:03	1
o-Terphenyl	141	S1+	70 - 130				07/13/23 09:12	07/14/23 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6290		50.3		mg/Kg			07/11/23 01:43	10

Client Sample ID: BH-197 (4')

Lab Sample ID: 880-30464-24

Date Collected: 07/06/23 16:00

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 10:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 10:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 10:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/07/23 16:04	07/08/23 10:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 10:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/23 16:04	07/08/23 10:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				07/07/23 16:04	07/08/23 10:15	1
1,4-Difluorobenzene (Surr)	74		70 - 130				07/07/23 16:04	07/08/23 10:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/10/23 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/17/23 14:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/13/23 09:12	07/15/23 07:58	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/13/23 09:12	07/15/23 07:58	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/13/23 09:12	07/15/23 07:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				07/13/23 09:12	07/15/23 07:58	1
o-Terphenyl	143	S1+	70 - 130				07/13/23 09:12	07/15/23 07:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4330		25.0		mg/Kg			07/11/23 01:47	5

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-198 (4')

Lab Sample ID: 880-30464-25

Date Collected: 07/06/23 16:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:04	07/08/23 10:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:04	07/08/23 10:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:04	07/08/23 10:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/07/23 16:04	07/08/23 10:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:04	07/08/23 10:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/23 16:04	07/08/23 10:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	07/07/23 16:04	07/08/23 10:35	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/07/23 16:04	07/08/23 10:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/10/23 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/17/23 14:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/13/23 09:12	07/15/23 08:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/13/23 09:12	07/15/23 08:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/13/23 09:12	07/15/23 08:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	07/13/23 09:12	07/15/23 08:28	1
o-Terphenyl	150	S1+	70 - 130	07/13/23 09:12	07/15/23 08:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9450		49.9		mg/Kg			07/11/23 01:52	10

Client Sample ID: BH-199 (4')

Lab Sample ID: 880-30464-26

Date Collected: 07/06/23 16:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:04	07/08/23 10:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:04	07/08/23 10:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:04	07/08/23 10:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/07/23 16:04	07/08/23 10:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/23 16:04	07/08/23 10:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/23 16:04	07/08/23 10:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	07/07/23 16:04	07/08/23 10:55	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/07/23 16:04	07/08/23 10:55	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-199 (4')

Lab Sample ID: 880-30464-26

Date Collected: 07/06/23 16:30

Matrix: Solid

Date Received: 07/07/23 14:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/10/23 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/17/23 14:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/13/23 09:12	07/15/23 08:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/13/23 09:12	07/15/23 08:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/13/23 09:12	07/15/23 08:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/13/23 09:12	07/15/23 08:50	1
o-Terphenyl	136	S1+	70 - 130				07/13/23 09:12	07/15/23 08:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7120		50.4		mg/Kg			07/11/23 02:07	10

Client Sample ID: BH-200 (4')

Lab Sample ID: 880-30464-27

Date Collected: 07/06/23 16:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:04	07/08/23 11:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:04	07/08/23 11:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:04	07/08/23 11:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/07/23 16:04	07/08/23 11:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:04	07/08/23 11:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/23 16:04	07/08/23 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				07/07/23 16:04	07/08/23 11:16	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/07/23 16:04	07/08/23 11:16	1

Method: TAL SOP 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			07/10/23 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/17/23 14:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/13/23 09:12	07/15/23 09:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/13/23 09:12	07/15/23 09:11	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-200 (4')

Lab Sample ID: 880-30464-27

Date Collected: 07/06/23 16:45

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/13/23 09:12	07/15/23 09:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/13/23 09:12	07/15/23 09:11	1
o-Terphenyl	142	S1+	70 - 130				07/13/23 09:12	07/15/23 09:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3970		25.0		mg/Kg			07/21/23 18:50	5

Client Sample ID: BH-201 (4')

Lab Sample ID: 880-30464-28

Date Collected: 07/06/23 17:00

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:04	07/08/23 11:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:04	07/08/23 11:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:04	07/08/23 11:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/07/23 16:04	07/08/23 11:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/07/23 16:04	07/08/23 11:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/07/23 16:04	07/08/23 11:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130				07/07/23 16:04	07/08/23 11:36	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130				07/07/23 16:04	07/08/23 11:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/10/23 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/20/23 13:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/14/23 17:17	07/19/23 16:20	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/14/23 17:17	07/19/23 16:20	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/14/23 17:17	07/19/23 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				07/14/23 17:17	07/19/23 16:20	1
o-Terphenyl	146	S1+	70 - 130				07/14/23 17:17	07/19/23 16:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3760		25.1		mg/Kg			07/11/23 02:27	5

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: SW-34

Lab Sample ID: 880-30464-29

Date Collected: 07/06/23 17:15

Matrix: Solid

Date Received: 07/07/23 14:22

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 11:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 11:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 11:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/07/23 16:04	07/08/23 11:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/23 16:04	07/08/23 11:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/23 16:04	07/08/23 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	53	S1-	70 - 130	07/07/23 16:04	07/08/23 11:57	1
1,4-Difluorobenzene (Surr)	54	S1-	70 - 130	07/07/23 16:04	07/08/23 11:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/10/23 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/20/23 13:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/14/23 17:17	07/19/23 16:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/14/23 17:17	07/19/23 16:43	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/14/23 17:17	07/19/23 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	07/14/23 17:17	07/19/23 16:43	1
o-Terphenyl	133	S1+	70 - 130	07/14/23 17:17	07/19/23 16:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.3		4.99		mg/Kg			07/11/23 02:32	1

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-30445-A-1-A MS	Matrix Spike	113	97
880-30445-A-1-B MSD	Matrix Spike Duplicate	114	96
880-30464-1	BH-174 (4')	94	103
880-30464-1 MS	BH-174 (4')	104	105
880-30464-1 MSD	BH-174 (4')	102	103
880-30464-2	BH-175 (4')	99	114
880-30464-3	BH-176 (4')	105	110
880-30464-4	BH-177 (4')	99	113
880-30464-5	BH-178 (4')	97	110
880-30464-6	BH-179 (4')	100	105
880-30464-7	BH-180 (4')	111	110
880-30464-8	BH-181 (4')	107	108
880-30464-9	BH-182 (4')	100	110
880-30464-10	BH-183 (4')	102	112
880-30464-11	BH-184 (4')	95	118
880-30464-12	BH-185 (4')	99	116
880-30464-13	BH-186 (4')	94	104
880-30464-14	BH-187 (4')	97	120
880-30464-15	BH-188 (4')	94	115
880-30464-16	BH-189 (4')	106	116
880-30464-17	BH-190 (4')	112	115
880-30464-18	BH-191 (4')	103	113
880-30464-19	BH-192 (4')	107	114
880-30464-20	BH-193 (4')	118	110
880-30464-21	BH-194 (4')	100	77
880-30464-22	BH-195 (4')	97	73
880-30464-23	BH-196 (4')	91	66 S1-
880-30464-24	BH-197 (4')	95	74
880-30464-25	BH-198 (4')	89	89
880-30464-26	BH-199 (4')	88	92
880-30464-27	BH-200 (4')	85	88
880-30464-28	BH-201 (4')	64 S1-	65 S1-
880-30464-29	SW-34	53 S1-	54 S1-
880-30481-A-2-B MS	Matrix Spike	108	104
880-30481-A-2-C MSD	Matrix Spike Duplicate	102	105
LCS 880-57170/1-A	Lab Control Sample	104	94
LCS 880-57185/1-A	Lab Control Sample	107	104
LCS 880-57268/1-A	Lab Control Sample	97	104
LCSD 880-57170/2-A	Lab Control Sample Dup	118	99
LCSD 880-57185/2-A	Lab Control Sample Dup	113	100
LCSD 880-57268/2-A	Lab Control Sample Dup	107	102
MB 880-57155/5-A	Method Blank	83	102
MB 880-57164/5-A	Method Blank	70	88
MB 880-57170/5-A	Method Blank	82	76
MB 880-57185/5-A	Method Blank	83	99
MB 880-57268/5-A	Method Blank	89	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-30464-1	BH-174 (4')	127	109
880-30464-1 MS	BH-174 (4')	123	95
880-30464-1 MSD	BH-174 (4')	152 S1+	113
880-30464-2	BH-175 (4')	136 S1+	116
880-30464-3	BH-176 (4')	127	108
880-30464-4	BH-177 (4')	120	102
880-30464-5	BH-178 (4')	6 S1-	21 S1-
880-30464-6	BH-179 (4')	128	109
880-30464-7	BH-180 (4')	128	107
880-30464-8	BH-181 (4')	123	110
880-30464-9	BH-182 (4')	124	108
880-30464-10	BH-183 (4')	123	107
880-30464-11	BH-184 (4')	131 S1+	111
880-30464-12	BH-185 (4')	124	106
880-30464-13	BH-186 (4')	130	110
880-30464-14	BH-187 (4')	128	109
880-30464-15	BH-188 (4')	126	106
880-30464-16	BH-189 (4')	129	109
880-30464-17	BH-190 (4')	124	105
880-30464-18	BH-191 (4')	130	111
880-30464-19	BH-192 (4')	126	103
880-30464-20	BH-193 (4')	142 S1+	119
880-30464-21	BH-194 (4')	112	138 S1+
880-30464-22	BH-195 (4')	121	149 S1+
880-30464-23	BH-196 (4')	116	141 S1+
880-30464-24	BH-197 (4')	120	143 S1+
880-30464-25	BH-198 (4')	115	150 S1+
880-30464-26	BH-199 (4')	108	136 S1+
880-30464-27	BH-200 (4')	112	142 S1+
880-30464-28	BH-201 (4')	136 S1+	146 S1+
880-30464-29	SW-34	130	133 S1+
890-4924-A-1-H MS	Matrix Spike	134 S1+	148 S1+
890-4924-A-1-I MSD	Matrix Spike Duplicate	115	129
890-4939-A-1-G MS	Matrix Spike	114	109
890-4939-A-1-H MSD	Matrix Spike Duplicate	129	125
LCS 880-57538/2-A	Lab Control Sample	119	102
LCS 880-57564/2-A	Lab Control Sample	89	115
LCS 880-57730/2-A	Lab Control Sample	85	90
LCSD 880-57538/3-A	Lab Control Sample Dup	115	99
LCSD 880-57564/3-A	Lab Control Sample Dup	115	146 S1+
LCSD 880-57730/3-A	Lab Control Sample Dup	84	90
MB 880-57538/1-A	Method Blank	133 S1+	114
MB 880-57564/1-A	Method Blank	128	153 S1+
MB 880-57730/1-A	Method Blank	161 S1+	169 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57155/5-A

Matrix: Solid

Analysis Batch: 57133

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/23 10:54	07/07/23 12:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/23 10:54	07/07/23 12:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/23 10:54	07/07/23 12:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/07/23 10:54	07/07/23 12:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/23 10:54	07/07/23 12:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/23 10:54	07/07/23 12:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	07/07/23 10:54	07/07/23 12:50	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/07/23 10:54	07/07/23 12:50	1

Lab Sample ID: MB 880-57164/5-A

Matrix: Solid

Analysis Batch: 57167

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/23 12:29	07/07/23 18:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/23 12:29	07/07/23 18:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/23 12:29	07/07/23 18:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/07/23 12:29	07/07/23 18:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/23 12:29	07/07/23 18:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/23 12:29	07/07/23 18:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	07/07/23 12:29	07/07/23 18:09	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/07/23 12:29	07/07/23 18:09	1

Lab Sample ID: MB 880-57170/5-A

Matrix: Solid

Analysis Batch: 57167

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/23 13:04	07/08/23 04:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/23 13:04	07/08/23 04:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/23 13:04	07/08/23 04:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/07/23 13:04	07/08/23 04:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/23 13:04	07/08/23 04:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/23 13:04	07/08/23 04:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	07/07/23 13:04	07/08/23 04:45	1
1,4-Difluorobenzene (Surr)	76		70 - 130	07/07/23 13:04	07/08/23 04:45	1

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-57170/1-A

Matrix: Solid

Analysis Batch: 57167

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1009		mg/Kg		101	70 - 130
Toluene	0.100	0.1211		mg/Kg		121	70 - 130
Ethylbenzene	0.100	0.1173		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2350		mg/Kg		118	70 - 130
o-Xylene	0.100	0.1184		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-57170/2-A

Matrix: Solid

Analysis Batch: 57167

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57170

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08804		mg/Kg		88	70 - 130	14	35
Toluene	0.100	0.1024		mg/Kg		102	70 - 130	17	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2044		mg/Kg		102	70 - 130	14	35
o-Xylene	0.100	0.1060		mg/Kg		106	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-30445-A-1-A MS

Matrix: Solid

Analysis Batch: 57167

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 57170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.08366		mg/Kg		83	70 - 130
Toluene	<0.00202	U	0.0996	0.09259		mg/Kg		93	70 - 130
Ethylbenzene	<0.00202	U	0.0996	0.08941		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1768		mg/Kg		89	70 - 130
o-Xylene	<0.00202	U	0.0996	0.08843		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-30445-A-1-B MSD

Matrix: Solid

Analysis Batch: 57167

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 57170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.07753		mg/Kg		77	70 - 130	8	35
Toluene	<0.00202	U	0.0990	0.08626		mg/Kg		87	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.0990	0.08307		mg/Kg		84	70 - 130	7	35

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-30445-A-1-B MSD

Matrix: Solid

Analysis Batch: 57167

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 57170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1594		mg/Kg		81	70 - 130	10	35
o-Xylene	<0.00202	U	0.0990	0.07964		mg/Kg		80	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-57185/5-A

Matrix: Solid

Analysis Batch: 57133

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 00:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 00:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 00:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/07/23 16:02	07/08/23 00:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/23 16:02	07/08/23 00:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/23 16:02	07/08/23 00:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	07/07/23 16:02	07/08/23 00:24	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/07/23 16:02	07/08/23 00:24	1

Lab Sample ID: LCS 880-57185/1-A

Matrix: Solid

Analysis Batch: 57133

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1107		mg/Kg		111	70 - 130
Toluene	0.100	0.1172		mg/Kg		117	70 - 130
Ethylbenzene	0.100	0.1078		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2320		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1067		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-57185/2-A

Matrix: Solid

Analysis Batch: 57133

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57185

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1035		mg/Kg		103	70 - 130	7	35
Toluene	0.100	0.1212		mg/Kg		121	70 - 130	3	35
Ethylbenzene	0.100	0.1208		mg/Kg		121	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2504		mg/Kg		125	70 - 130	8	35
o-Xylene	0.100	0.1208		mg/Kg		121	70 - 130	12	35

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-30464-1 MS

Matrix: Solid

Analysis Batch: 57133

Client Sample ID: BH-174 (4')

Prep Type: Total/NA

Prep Batch: 57185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0994	0.1038		mg/Kg		104	70 - 130
Toluene	<0.00198	U	0.0994	0.1099		mg/Kg		111	70 - 130
Ethylbenzene	<0.00198	U	0.0994	0.09885		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.199	0.2025		mg/Kg		102	70 - 130
o-Xylene	<0.00198	U	0.0994	0.09838		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-30464-1 MSD

Matrix: Solid

Analysis Batch: 57133

Client Sample ID: BH-174 (4')

Prep Type: Total/NA

Prep Batch: 57185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00198	U	0.0990	0.1019		mg/Kg		103	70 - 130	2	35
Toluene	<0.00198	U	0.0990	0.1089		mg/Kg		110	70 - 130	1	35
Ethylbenzene	<0.00198	U	0.0990	0.09767		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	<0.00397	U	0.198	0.2032		mg/Kg		103	70 - 130	0	35
o-Xylene	<0.00198	U	0.0990	0.09811		mg/Kg		99	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-57268/5-A

Matrix: Solid

Analysis Batch: 57254

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/10/23 09:14	07/10/23 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/23 09:14	07/10/23 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/10/23 09:14	07/10/23 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	07/10/23 09:14	07/10/23 12:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/10/23 09:14	07/10/23 12:05	1

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-57268/1-A

Matrix: Solid

Analysis Batch: 57254

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1157		mg/Kg		116	70 - 130
Toluene	0.100	0.1205		mg/Kg		120	70 - 130
Ethylbenzene	0.100	0.1078		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2218		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1065		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-57268/2-A

Matrix: Solid

Analysis Batch: 57254

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57268

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09955		mg/Kg		100	70 - 130	15	35
Toluene	0.100	0.1145		mg/Kg		114	70 - 130	5	35
Ethylbenzene	0.100	0.1102		mg/Kg		110	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2350		mg/Kg		118	70 - 130	6	35
o-Xylene	0.100	0.1127		mg/Kg		113	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-30481-A-2-B MS

Matrix: Solid

Analysis Batch: 57254

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 57268

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0994	0.1097		mg/Kg		110	70 - 130
Toluene	<0.00202	U	0.0994	0.1205		mg/Kg		121	70 - 130
Ethylbenzene	<0.00202	U	0.0994	0.1136		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.2394		mg/Kg		120	70 - 130
o-Xylene	<0.00202	U	0.0994	0.1156		mg/Kg		116	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-30481-A-2-C MSD

Matrix: Solid

Analysis Batch: 57254

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 57268

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1108		mg/Kg		112	70 - 130	1	35
Toluene	<0.00202	U	0.0990	0.1178		mg/Kg		119	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0990	0.1080		mg/Kg		109	70 - 130	5	35

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-30481-A-2-C MSD

Matrix: Solid

Analysis Batch: 57254

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 57268

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00403	U	0.198	0.2235		mg/Kg		113	70 - 130	7	35
o-Xylene	<0.00202	U	0.0990	0.1070		mg/Kg		108	70 - 130	8	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-57538/1-A

Matrix: Solid

Analysis Batch: 57759

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57538

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		07/12/23 16:29	07/16/23 09:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/23 16:29	07/16/23 09:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/23 16:29	07/16/23 09:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				07/12/23 16:29	07/16/23 09:11	1
o-Terphenyl	114		70 - 130				07/12/23 16:29	07/16/23 09:11	1

Lab Sample ID: LCS 880-57538/2-A

Matrix: Solid

Analysis Batch: 57759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1190		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	119		70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: LCSD 880-57538/3-A

Matrix: Solid

Analysis Batch: 57759

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1065		mg/Kg		107	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	952.4		mg/Kg		95	70 - 130	5	20

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-57538/3-A

Matrix: Solid

Analysis Batch: 57759

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57538

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-30464-1 MS

Matrix: Solid

Analysis Batch: 57759

Client Sample ID: BH-174 (4')

Prep Type: Total/NA

Prep Batch: 57538

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F2	995	896.3		mg/Kg		87	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.7	U F1	995	1092		mg/Kg		110	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	123		70 - 130							
o-Terphenyl	95		70 - 130							

Lab Sample ID: 880-30464-1 MSD

Matrix: Solid

Analysis Batch: 57759

Client Sample ID: BH-174 (4')

Prep Type: Total/NA

Prep Batch: 57538

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F2	997	1233	F2	mg/Kg		120	70 - 130	32	20	
Diesel Range Organics (Over C10-C28)	<49.7	U F1	997	1331	F1	mg/Kg		134	70 - 130	20	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	152	S1+	70 - 130									
o-Terphenyl	113		70 - 130									

Lab Sample ID: MB 880-57564/1-A

Matrix: Solid

Analysis Batch: 57666

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57564

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/13/23 09:12	07/14/23 07:48	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/13/23 09:12	07/14/23 07:48	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/13/23 09:12	07/14/23 07:48	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	128		70 - 130				07/13/23 09:12	07/14/23 07:48	1		
o-Terphenyl	153	S1+	70 - 130				07/13/23 09:12	07/14/23 07:48	1		

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-57564/2-A

Matrix: Solid

Analysis Batch: 57666

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57564

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1198		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	959.6		mg/Kg		96	70 - 130		
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	89		70 - 130								
o-Terphenyl	115		70 - 130								

Lab Sample ID: LCSD 880-57564/3-A

Matrix: Solid

Analysis Batch: 57666

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57564

Top Bottom Section											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1255		mg/Kg		125	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1065		mg/Kg		107	70 - 130	10	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	146	S1+	70 - 130								

Lab Sample ID: 890-4924-A-1-H MS

Matrix: Solid

Analysis Batch: 57666

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 57564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1063		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1201		mg/Kg		116	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	134	S1+	70 - 130								
o-Terphenyl	148	S1+	70 - 130								

Lab Sample ID: 890-4924-A-1-I MSD

Matrix: Solid

Analysis Batch: 57666

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 57564

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	958.2		mg/Kg		96	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1031		mg/Kg		99	70 - 130	15	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	115		70 - 130								

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-4924-A-1-I MSD

Matrix: Solid

Analysis Batch: 57666

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 57564

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	129		70 - 130

Lab Sample ID: MB 880-57730/1-A

Matrix: Solid

Analysis Batch: 57996

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57730

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/14/23 17:17	07/19/23 10:55	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/14/23 17:17	07/19/23 10:55	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/14/23 17:17	07/19/23 10:55	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	161	S1+	70 - 130				07/14/23 17:17	07/19/23 10:55	1	
<i>o</i> -Terphenyl	169	S1+	70 - 130				07/14/23 17:17	07/19/23 10:55	1	

Lab Sample ID: LCS 880-57730/2-A

Matrix: Solid

Analysis Batch: 57996

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57730

			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	853.8		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	812.0		mg/Kg		81	70 - 130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	85		70 - 130								
<i>o</i> -Terphenyl	90		70 - 130								

Lab Sample ID: LCSD 880-57730/3-A

Matrix: Solid

Analysis Batch: 57996

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57730

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	826.1		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	809.3		mg/Kg		81	70 - 130	0	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
<i>o</i> -Terphenyl	90		70 - 130								

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-4939-A-1-G MS

Matrix: Solid

Analysis Batch: 57996

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 57730

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1000	904.9		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	943.3		mg/Kg		91	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: 890-4939-A-1-H MSD

Matrix: Solid

Analysis Batch: 57996

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 57730

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1000	1023		mg/Kg		98	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	1084		mg/Kg		105	70 - 130	14	20
		</									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57181/1-A

Matrix: Solid

Analysis Batch: 57326

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			07/10/23 18:49	1

Lab Sample ID: LCS 880-57181/2-A

Matrix: Solid

Analysis Batch: 57326

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.5		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-57181/3-A

Matrix: Solid

Analysis Batch: 57326

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	238.8		mg/Kg		96	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-30464-1 MS

Matrix: Solid

Analysis Batch: 57326

Client Sample ID: BH-174 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3170	F1	1250	4563	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 880-30464-1 MSD

Matrix: Solid

Analysis Batch: 57326

Client Sample ID: BH-174 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3170	F1	1250	4584	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 880-30464-11 MS

Matrix: Solid

Analysis Batch: 57326

Client Sample ID: BH-184 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1580		1240	2820		mg/Kg		100	90 - 110		

Lab Sample ID: 880-30464-11 MSD

Matrix: Solid

Analysis Batch: 57326

Client Sample ID: BH-184 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1580		1240	2820		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-57179/1-A

Matrix: Solid

Analysis Batch: 57328

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			07/11/23 00:28	1

Lab Sample ID: LCS 880-57179/2-A

Matrix: Solid

Analysis Batch: 57328

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	250.1		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-57179/3-A

Matrix: Solid

Analysis Batch: 57328

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	249.7		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-30464-25 MS

Matrix: Solid

Analysis Batch: 57328

Client Sample ID: BH-198 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	9450		2500	11910		mg/Kg		99	90 - 110		

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-30464-25 MSD

Matrix: Solid

Analysis Batch: 57328

Client Sample ID: BH-198 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9450		2500	11950		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-58211/1-A

Matrix: Solid

Analysis Batch: 58248

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			07/21/23 17:07	1

Lab Sample ID: LCS 880-58211/2-A

Matrix: Solid

Analysis Batch: 58248

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.8		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-58211/3-A

Matrix: Solid

Analysis Batch: 58248

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	233.1		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 880-31062-A-5-B MS

Matrix: Solid

Analysis Batch: 58248

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	2370	F1	1260	4700	F1	mg/Kg		184	90 - 110

Lab Sample ID: 880-31062-A-5-C MSD

Matrix: Solid

Analysis Batch: 58248

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	2370	F1	1260	4692	F1	mg/Kg		184	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 57133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-1	BH-174 (4')	Total/NA	Solid	8021B	57185
880-30464-2	BH-175 (4')	Total/NA	Solid	8021B	57185
880-30464-3	BH-176 (4')	Total/NA	Solid	8021B	57185
880-30464-4	BH-177 (4')	Total/NA	Solid	8021B	57185
880-30464-5	BH-178 (4')	Total/NA	Solid	8021B	57185
880-30464-6	BH-179 (4')	Total/NA	Solid	8021B	57185
880-30464-7	BH-180 (4')	Total/NA	Solid	8021B	57185
880-30464-8	BH-181 (4')	Total/NA	Solid	8021B	57185
880-30464-9	BH-182 (4')	Total/NA	Solid	8021B	57185
880-30464-10	BH-183 (4')	Total/NA	Solid	8021B	57185
MB 880-57155/5-A	Method Blank	Total/NA	Solid	8021B	57155
MB 880-57185/5-A	Method Blank	Total/NA	Solid	8021B	57185
LCS 880-57185/1-A	Lab Control Sample	Total/NA	Solid	8021B	57185
LCSD 880-57185/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57185
880-30464-1 MS	BH-174 (4')	Total/NA	Solid	8021B	57185
880-30464-1 MSD	BH-174 (4')	Total/NA	Solid	8021B	57185

Prep Batch: 57155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57155/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 57164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57164/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 57167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-21	BH-194 (4')	Total/NA	Solid	8021B	57170
880-30464-22	BH-195 (4')	Total/NA	Solid	8021B	57170
880-30464-23	BH-196 (4')	Total/NA	Solid	8021B	57170
880-30464-24	BH-197 (4')	Total/NA	Solid	8021B	57170
880-30464-25	BH-198 (4')	Total/NA	Solid	8021B	57170
880-30464-26	BH-199 (4')	Total/NA	Solid	8021B	57170
880-30464-27	BH-200 (4')	Total/NA	Solid	8021B	57170
880-30464-28	BH-201 (4')	Total/NA	Solid	8021B	57170
880-30464-29	SW-34	Total/NA	Solid	8021B	57170
MB 880-57164/5-A	Method Blank	Total/NA	Solid	8021B	57164
MB 880-57170/5-A	Method Blank	Total/NA	Solid	8021B	57170
LCS 880-57170/1-A	Lab Control Sample	Total/NA	Solid	8021B	57170
LCSD 880-57170/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57170
880-30445-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	57170
880-30445-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	57170

Prep Batch: 57170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-21	BH-194 (4')	Total/NA	Solid	5035	
880-30464-22	BH-195 (4')	Total/NA	Solid	5035	
880-30464-23	BH-196 (4')	Total/NA	Solid	5035	
880-30464-24	BH-197 (4')	Total/NA	Solid	5035	
880-30464-25	BH-198 (4')	Total/NA	Solid	5035	
880-30464-26	BH-199 (4')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 57170 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-27	BH-200 (4')	Total/NA	Solid	5035	
880-30464-28	BH-201 (4')	Total/NA	Solid	5035	
880-30464-29	SW-34	Total/NA	Solid	5035	
MB 880-57170/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57170/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57170/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30445-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-30445-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 57185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-1	BH-174 (4')	Total/NA	Solid	5035	
880-30464-2	BH-175 (4')	Total/NA	Solid	5035	
880-30464-3	BH-176 (4')	Total/NA	Solid	5035	
880-30464-4	BH-177 (4')	Total/NA	Solid	5035	
880-30464-5	BH-178 (4')	Total/NA	Solid	5035	
880-30464-6	BH-179 (4')	Total/NA	Solid	5035	
880-30464-7	BH-180 (4')	Total/NA	Solid	5035	
880-30464-8	BH-181 (4')	Total/NA	Solid	5035	
880-30464-9	BH-182 (4')	Total/NA	Solid	5035	
880-30464-10	BH-183 (4')	Total/NA	Solid	5035	
MB 880-57185/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57185/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57185/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30464-1 MS	BH-174 (4')	Total/NA	Solid	5035	
880-30464-1 MSD	BH-174 (4')	Total/NA	Solid	5035	

Analysis Batch: 57254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-11	BH-184 (4')	Total/NA	Solid	8021B	57268
880-30464-12	BH-185 (4')	Total/NA	Solid	8021B	57268
880-30464-13	BH-186 (4')	Total/NA	Solid	8021B	57268
880-30464-14	BH-187 (4')	Total/NA	Solid	8021B	57268
880-30464-15	BH-188 (4')	Total/NA	Solid	8021B	57268
880-30464-16	BH-189 (4')	Total/NA	Solid	8021B	57268
880-30464-17	BH-190 (4')	Total/NA	Solid	8021B	57268
880-30464-18	BH-191 (4')	Total/NA	Solid	8021B	57268
880-30464-19	BH-192 (4')	Total/NA	Solid	8021B	57268
880-30464-20	BH-193 (4')	Total/NA	Solid	8021B	57268
MB 880-57268/5-A	Method Blank	Total/NA	Solid	8021B	57268
LCS 880-57268/1-A	Lab Control Sample	Total/NA	Solid	8021B	57268
LCSD 880-57268/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57268
880-30481-A-2-B MS	Matrix Spike	Total/NA	Solid	8021B	57268
880-30481-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	57268

Prep Batch: 57268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-11	BH-184 (4')	Total/NA	Solid	5035	
880-30464-12	BH-185 (4')	Total/NA	Solid	5035	
880-30464-13	BH-186 (4')	Total/NA	Solid	5035	
880-30464-14	BH-187 (4')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 57268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-15	BH-188 (4')	Total/NA	Solid	5035	
880-30464-16	BH-189 (4')	Total/NA	Solid	5035	
880-30464-17	BH-190 (4')	Total/NA	Solid	5035	
880-30464-18	BH-191 (4')	Total/NA	Solid	5035	
880-30464-19	BH-192 (4')	Total/NA	Solid	5035	
880-30464-20	BH-193 (4')	Total/NA	Solid	5035	
MB 880-57268/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57268/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57268/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30481-A-2-B MS	Matrix Spike	Total/NA	Solid	5035	
880-30481-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 57337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-1	BH-174 (4')	Total/NA	Solid	Total BTEX	
880-30464-2	BH-175 (4')	Total/NA	Solid	Total BTEX	
880-30464-3	BH-176 (4')	Total/NA	Solid	Total BTEX	
880-30464-4	BH-177 (4')	Total/NA	Solid	Total BTEX	
880-30464-5	BH-178 (4')	Total/NA	Solid	Total BTEX	
880-30464-6	BH-179 (4')	Total/NA	Solid	Total BTEX	
880-30464-7	BH-180 (4')	Total/NA	Solid	Total BTEX	
880-30464-8	BH-181 (4')	Total/NA	Solid	Total BTEX	
880-30464-9	BH-182 (4')	Total/NA	Solid	Total BTEX	
880-30464-10	BH-183 (4')	Total/NA	Solid	Total BTEX	
880-30464-11	BH-184 (4')	Total/NA	Solid	Total BTEX	
880-30464-12	BH-185 (4')	Total/NA	Solid	Total BTEX	
880-30464-13	BH-186 (4')	Total/NA	Solid	Total BTEX	
880-30464-14	BH-187 (4')	Total/NA	Solid	Total BTEX	
880-30464-15	BH-188 (4')	Total/NA	Solid	Total BTEX	
880-30464-16	BH-189 (4')	Total/NA	Solid	Total BTEX	
880-30464-17	BH-190 (4')	Total/NA	Solid	Total BTEX	
880-30464-18	BH-191 (4')	Total/NA	Solid	Total BTEX	
880-30464-19	BH-192 (4')	Total/NA	Solid	Total BTEX	
880-30464-20	BH-193 (4')	Total/NA	Solid	Total BTEX	
880-30464-21	BH-194 (4')	Total/NA	Solid	Total BTEX	
880-30464-22	BH-195 (4')	Total/NA	Solid	Total BTEX	
880-30464-23	BH-196 (4')	Total/NA	Solid	Total BTEX	
880-30464-24	BH-197 (4')	Total/NA	Solid	Total BTEX	
880-30464-25	BH-198 (4')	Total/NA	Solid	Total BTEX	
880-30464-26	BH-199 (4')	Total/NA	Solid	Total BTEX	
880-30464-27	BH-200 (4')	Total/NA	Solid	Total BTEX	
880-30464-28	BH-201 (4')	Total/NA	Solid	Total BTEX	
880-30464-29	SW-34	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 57538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-1	BH-174 (4')	Total/NA	Solid	8015NM Prep	
880-30464-2	BH-175 (4')	Total/NA	Solid	8015NM Prep	
880-30464-3	BH-176 (4')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 57538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-4	BH-177 (4')	Total/NA	Solid	8015NM Prep	
880-30464-5	BH-178 (4')	Total/NA	Solid	8015NM Prep	
880-30464-6	BH-179 (4')	Total/NA	Solid	8015NM Prep	
880-30464-7	BH-180 (4')	Total/NA	Solid	8015NM Prep	
880-30464-8	BH-181 (4')	Total/NA	Solid	8015NM Prep	
880-30464-9	BH-182 (4')	Total/NA	Solid	8015NM Prep	
880-30464-10	BH-183 (4')	Total/NA	Solid	8015NM Prep	
880-30464-11	BH-184 (4')	Total/NA	Solid	8015NM Prep	
880-30464-12	BH-185 (4')	Total/NA	Solid	8015NM Prep	
880-30464-13	BH-186 (4')	Total/NA	Solid	8015NM Prep	
880-30464-14	BH-187 (4')	Total/NA	Solid	8015NM Prep	
880-30464-15	BH-188 (4')	Total/NA	Solid	8015NM Prep	
880-30464-16	BH-189 (4')	Total/NA	Solid	8015NM Prep	
880-30464-17	BH-190 (4')	Total/NA	Solid	8015NM Prep	
880-30464-18	BH-191 (4')	Total/NA	Solid	8015NM Prep	
880-30464-19	BH-192 (4')	Total/NA	Solid	8015NM Prep	
880-30464-20	BH-193 (4')	Total/NA	Solid	8015NM Prep	
MB 880-57538/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-57538/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57538/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30464-1 MS	BH-174 (4')	Total/NA	Solid	8015NM Prep	
880-30464-1 MSD	BH-174 (4')	Total/NA	Solid	8015NM Prep	

Prep Batch: 57564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-21	BH-194 (4')	Total/NA	Solid	8015NM Prep	
880-30464-22	BH-195 (4')	Total/NA	Solid	8015NM Prep	
880-30464-23	BH-196 (4')	Total/NA	Solid	8015NM Prep	
880-30464-24	BH-197 (4')	Total/NA	Solid	8015NM Prep	
880-30464-25	BH-198 (4')	Total/NA	Solid	8015NM Prep	
880-30464-26	BH-199 (4')	Total/NA	Solid	8015NM Prep	
880-30464-27	BH-200 (4')	Total/NA	Solid	8015NM Prep	
MB 880-57564/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-57564/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57564/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4924-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4924-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 57666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-21	BH-194 (4')	Total/NA	Solid	8015B NM	57564
880-30464-22	BH-195 (4')	Total/NA	Solid	8015B NM	57564
880-30464-23	BH-196 (4')	Total/NA	Solid	8015B NM	57564
880-30464-24	BH-197 (4')	Total/NA	Solid	8015B NM	57564
880-30464-25	BH-198 (4')	Total/NA	Solid	8015B NM	57564
880-30464-26	BH-199 (4')	Total/NA	Solid	8015B NM	57564
880-30464-27	BH-200 (4')	Total/NA	Solid	8015B NM	57564
MB 880-57564/1-A	Method Blank	Total/NA	Solid	8015B NM	57564
LCS 880-57564/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57564
LCSD 880-57564/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57564
890-4924-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	57564

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 57666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4924-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	57564

Prep Batch: 57730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-28	BH-201 (4')	Total/NA	Solid	8015NM Prep	
880-30464-29	SW-34	Total/NA	Solid	8015NM Prep	
MB 880-57730/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-57730/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57730/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4939-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4939-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 57759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-1	BH-174 (4')	Total/NA	Solid	8015B NM	57538
880-30464-2	BH-175 (4')	Total/NA	Solid	8015B NM	57538
880-30464-3	BH-176 (4')	Total/NA	Solid	8015B NM	57538
880-30464-4	BH-177 (4')	Total/NA	Solid	8015B NM	57538
880-30464-5	BH-178 (4')	Total/NA	Solid	8015B NM	57538
880-30464-6	BH-179 (4')	Total/NA	Solid	8015B NM	57538
880-30464-7	BH-180 (4')	Total/NA	Solid	8015B NM	57538
880-30464-8	BH-181 (4')	Total/NA	Solid	8015B NM	57538
880-30464-9	BH-182 (4')	Total/NA	Solid	8015B NM	57538
880-30464-10	BH-183 (4')	Total/NA	Solid	8015B NM	57538
880-30464-11	BH-184 (4')	Total/NA	Solid	8015B NM	57538
880-30464-12	BH-185 (4')	Total/NA	Solid	8015B NM	57538
880-30464-13	BH-186 (4')	Total/NA	Solid	8015B NM	57538
880-30464-14	BH-187 (4')	Total/NA	Solid	8015B NM	57538
880-30464-15	BH-188 (4')	Total/NA	Solid	8015B NM	57538
880-30464-16	BH-189 (4')	Total/NA	Solid	8015B NM	57538
880-30464-17	BH-190 (4')	Total/NA	Solid	8015B NM	57538
880-30464-18	BH-191 (4')	Total/NA	Solid	8015B NM	57538
880-30464-19	BH-192 (4')	Total/NA	Solid	8015B NM	57538
880-30464-20	BH-193 (4')	Total/NA	Solid	8015B NM	57538
MB 880-57538/1-A	Method Blank	Total/NA	Solid	8015B NM	57538
LCS 880-57538/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57538
LCSD 880-57538/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57538
880-30464-1 MS	BH-174 (4')	Total/NA	Solid	8015B NM	57538
880-30464-1 MSD	BH-174 (4')	Total/NA	Solid	8015B NM	57538

Analysis Batch: 57850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-1	BH-174 (4')	Total/NA	Solid	8015 NM	
880-30464-2	BH-175 (4')	Total/NA	Solid	8015 NM	
880-30464-3	BH-176 (4')	Total/NA	Solid	8015 NM	
880-30464-4	BH-177 (4')	Total/NA	Solid	8015 NM	
880-30464-5	BH-178 (4')	Total/NA	Solid	8015 NM	
880-30464-6	BH-179 (4')	Total/NA	Solid	8015 NM	
880-30464-7	BH-180 (4')	Total/NA	Solid	8015 NM	
880-30464-8	BH-181 (4')	Total/NA	Solid	8015 NM	
880-30464-9	BH-182 (4')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 57850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-10	BH-183 (4')	Total/NA	Solid	8015 NM	
880-30464-11	BH-184 (4')	Total/NA	Solid	8015 NM	
880-30464-12	BH-185 (4')	Total/NA	Solid	8015 NM	
880-30464-13	BH-186 (4')	Total/NA	Solid	8015 NM	
880-30464-14	BH-187 (4')	Total/NA	Solid	8015 NM	
880-30464-15	BH-188 (4')	Total/NA	Solid	8015 NM	
880-30464-16	BH-189 (4')	Total/NA	Solid	8015 NM	
880-30464-17	BH-190 (4')	Total/NA	Solid	8015 NM	
880-30464-18	BH-191 (4')	Total/NA	Solid	8015 NM	
880-30464-19	BH-192 (4')	Total/NA	Solid	8015 NM	
880-30464-20	BH-193 (4')	Total/NA	Solid	8015 NM	
880-30464-21	BH-194 (4')	Total/NA	Solid	8015 NM	
880-30464-22	BH-195 (4')	Total/NA	Solid	8015 NM	
880-30464-23	BH-196 (4')	Total/NA	Solid	8015 NM	
880-30464-24	BH-197 (4')	Total/NA	Solid	8015 NM	
880-30464-25	BH-198 (4')	Total/NA	Solid	8015 NM	
880-30464-26	BH-199 (4')	Total/NA	Solid	8015 NM	
880-30464-27	BH-200 (4')	Total/NA	Solid	8015 NM	
880-30464-28	BH-201 (4')	Total/NA	Solid	8015 NM	
880-30464-29	SW-34	Total/NA	Solid	8015 NM	

Analysis Batch: 57996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-28	BH-201 (4')	Total/NA	Solid	8015B NM	57730
880-30464-29	SW-34	Total/NA	Solid	8015B NM	57730
MB 880-57730/1-A	Method Blank	Total/NA	Solid	8015B NM	57730
LCS 880-57730/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57730
LCSD 880-57730/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57730
890-4939-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	57730
890-4939-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	57730

HPLC/IC

Leach Batch: 57179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-21	BH-194 (4')	Soluble	Solid	DI Leach	
880-30464-22	BH-195 (4')	Soluble	Solid	DI Leach	
880-30464-23	BH-196 (4')	Soluble	Solid	DI Leach	
880-30464-24	BH-197 (4')	Soluble	Solid	DI Leach	
880-30464-25	BH-198 (4')	Soluble	Solid	DI Leach	
880-30464-26	BH-199 (4')	Soluble	Solid	DI Leach	
880-30464-28	BH-201 (4')	Soluble	Solid	DI Leach	
880-30464-29	SW-34	Soluble	Solid	DI Leach	
MB 880-57179/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57179/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57179/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30464-25 MS	BH-198 (4')	Soluble	Solid	DI Leach	
880-30464-25 MSD	BH-198 (4')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 57181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-1	BH-174 (4')	Soluble	Solid	DI Leach	
880-30464-2	BH-175 (4')	Soluble	Solid	DI Leach	
880-30464-3	BH-176 (4')	Soluble	Solid	DI Leach	
880-30464-4	BH-177 (4')	Soluble	Solid	DI Leach	
880-30464-5	BH-178 (4')	Soluble	Solid	DI Leach	
880-30464-6	BH-179 (4')	Soluble	Solid	DI Leach	
880-30464-7	BH-180 (4')	Soluble	Solid	DI Leach	
880-30464-8	BH-181 (4')	Soluble	Solid	DI Leach	
880-30464-9	BH-182 (4')	Soluble	Solid	DI Leach	
880-30464-10	BH-183 (4')	Soluble	Solid	DI Leach	
880-30464-11	BH-184 (4')	Soluble	Solid	DI Leach	
880-30464-12	BH-185 (4')	Soluble	Solid	DI Leach	
880-30464-13	BH-186 (4')	Soluble	Solid	DI Leach	
880-30464-14	BH-187 (4')	Soluble	Solid	DI Leach	
880-30464-15	BH-188 (4')	Soluble	Solid	DI Leach	
880-30464-16	BH-189 (4')	Soluble	Solid	DI Leach	
880-30464-17	BH-190 (4')	Soluble	Solid	DI Leach	
880-30464-18	BH-191 (4')	Soluble	Solid	DI Leach	
880-30464-19	BH-192 (4')	Soluble	Solid	DI Leach	
880-30464-20	BH-193 (4')	Soluble	Solid	DI Leach	
MB 880-57181/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57181/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57181/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30464-1 MS	BH-174 (4')	Soluble	Solid	DI Leach	
880-30464-1 MSD	BH-174 (4')	Soluble	Solid	DI Leach	
880-30464-11 MS	BH-184 (4')	Soluble	Solid	DI Leach	
880-30464-11 MSD	BH-184 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 57326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-1	BH-174 (4')	Soluble	Solid	300.0	57181
880-30464-2	BH-175 (4')	Soluble	Solid	300.0	57181
880-30464-3	BH-176 (4')	Soluble	Solid	300.0	57181
880-30464-4	BH-177 (4')	Soluble	Solid	300.0	57181
880-30464-5	BH-178 (4')	Soluble	Solid	300.0	57181
880-30464-6	BH-179 (4')	Soluble	Solid	300.0	57181
880-30464-7	BH-180 (4')	Soluble	Solid	300.0	57181
880-30464-8	BH-181 (4')	Soluble	Solid	300.0	57181
880-30464-9	BH-182 (4')	Soluble	Solid	300.0	57181
880-30464-10	BH-183 (4')	Soluble	Solid	300.0	57181
880-30464-11	BH-184 (4')	Soluble	Solid	300.0	57181
880-30464-12	BH-185 (4')	Soluble	Solid	300.0	57181
880-30464-13	BH-186 (4')	Soluble	Solid	300.0	57181
880-30464-14	BH-187 (4')	Soluble	Solid	300.0	57181
880-30464-15	BH-188 (4')	Soluble	Solid	300.0	57181
880-30464-16	BH-189 (4')	Soluble	Solid	300.0	57181
880-30464-17	BH-190 (4')	Soluble	Solid	300.0	57181
880-30464-18	BH-191 (4')	Soluble	Solid	300.0	57181
880-30464-19	BH-192 (4')	Soluble	Solid	300.0	57181
880-30464-20	BH-193 (4')	Soluble	Solid	300.0	57181
MB 880-57181/1-A	Method Blank	Soluble	Solid	300.0	57181

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 57326 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-57181/2-A	Lab Control Sample	Soluble	Solid	300.0	57181
LCSD 880-57181/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57181
880-30464-1 MS	BH-174 (4')	Soluble	Solid	300.0	57181
880-30464-1 MSD	BH-174 (4')	Soluble	Solid	300.0	57181
880-30464-11 MS	BH-184 (4')	Soluble	Solid	300.0	57181
880-30464-11 MSD	BH-184 (4')	Soluble	Solid	300.0	57181

Analysis Batch: 57328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-21	BH-194 (4')	Soluble	Solid	300.0	57179
880-30464-22	BH-195 (4')	Soluble	Solid	300.0	57179
880-30464-23	BH-196 (4')	Soluble	Solid	300.0	57179
880-30464-24	BH-197 (4')	Soluble	Solid	300.0	57179
880-30464-25	BH-198 (4')	Soluble	Solid	300.0	57179
880-30464-26	BH-199 (4')	Soluble	Solid	300.0	57179
880-30464-28	BH-201 (4')	Soluble	Solid	300.0	57179
880-30464-29	SW-34	Soluble	Solid	300.0	57179
MB 880-57179/1-A	Method Blank	Soluble	Solid	300.0	57179
LCS 880-57179/2-A	Lab Control Sample	Soluble	Solid	300.0	57179
LCSD 880-57179/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57179
880-30464-25 MS	BH-198 (4')	Soluble	Solid	300.0	57179
880-30464-25 MSD	BH-198 (4')	Soluble	Solid	300.0	57179

Leach Batch: 58211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-27	BH-200 (4')	Soluble	Solid	DI Leach	
MB 880-58211/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58211/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58211/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31062-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-31062-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 58248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30464-27	BH-200 (4')	Soluble	Solid	300.0	58211
MB 880-58211/1-A	Method Blank	Soluble	Solid	300.0	58211
LCS 880-58211/2-A	Lab Control Sample	Soluble	Solid	300.0	58211
LCSD 880-58211/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58211
880-31062-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	58211
880-31062-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	58211

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-174 (4')

Lab Sample ID: 880-30464-1

Date Collected: 07/06/23 10:00

Matrix: Solid

Date Received: 07/07/23 14:22

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	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 00:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 12:09	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		5			57326	07/10/23 19:04	CH	EET MID

Client Sample ID: BH-175 (4')

Lab Sample ID: 880-30464-2

Date Collected: 07/06/23 10:15

Matrix: Solid

Date Received: 07/07/23 14:22

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	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 01:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 13:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		5			57326	07/10/23 19:19	CH	EET MID

Client Sample ID: BH-176 (4')

Lab Sample ID: 880-30464-3

Date Collected: 07/06/23 10:30

Matrix: Solid

Date Received: 07/07/23 14:22

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	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 01:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 13:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 19:23	CH	EET MID

Client Sample ID: BH-177 (4')

Lab Sample ID: 880-30464-4

Date Collected: 07/06/23 10:45

Matrix: Solid

Date Received: 07/07/23 14:22

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	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 01:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-177 (4')

Date Collected: 07/06/23 10:45

Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 14:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 19:28	CH	EET MID

Client Sample ID: BH-178 (4')

Date Collected: 07/06/23 11:00

Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 02:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 14:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 19:33	CH	EET MID

Client Sample ID: BH-179 (4')

Date Collected: 07/06/23 11:15

Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 02:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 14:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 19:48	CH	EET MID

Client Sample ID: BH-180 (4')

Date Collected: 07/06/23 11:30

Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 02:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 15:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-180 (4')**Date Collected: 07/06/23 11:30****Date Received: 07/07/23 14:22****Lab Sample ID: 880-30464-7****Matrix: Solid**

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	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 19:53	CH	EET MID

Client Sample ID: BH-181 (4')**Date Collected: 07/06/23 11:45****Date Received: 07/07/23 14:22****Lab Sample ID: 880-30464-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 03:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 17:45	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 19:58	CH	EET MID

Client Sample ID: BH-182 (4')**Date Collected: 07/06/23 12:00****Date Received: 07/07/23 14:22****Lab Sample ID: 880-30464-9****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 03:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 18:05	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 20:03	CH	EET MID

Client Sample ID: BH-183 (4')**Date Collected: 07/06/23 12:15****Date Received: 07/07/23 14:22****Lab Sample ID: 880-30464-10****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	57185	07/07/23 16:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57133	07/08/23 03:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 18:27	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 20:08	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-184 (4')

Lab Sample ID: 880-30464-11

Date Collected: 07/06/23 12:30

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 15:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 19:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		5			57326	07/10/23 20:13	CH	EET MID

Client Sample ID: BH-185 (4')

Lab Sample ID: 880-30464-12

Date Collected: 07/06/23 13:00

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 15:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 19:30	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		5			57326	07/10/23 20:28	CH	EET MID

Client Sample ID: BH-186 (4')

Lab Sample ID: 880-30464-13

Date Collected: 07/06/23 13:15

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 16:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 19:52	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		5			57326	07/10/23 20:33	CH	EET MID

Client Sample ID: BH-187 (4')

Lab Sample ID: 880-30464-14

Date Collected: 07/06/23 13:30

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 17:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-187 (4')

Lab Sample ID: 880-30464-14

Date Collected: 07/06/23 13:30

Matrix: Solid

Date Received: 07/07/23 14:22

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			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 20:13	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 20:48	CH	EET MID

Client Sample ID: BH-188 (4')

Lab Sample ID: 880-30464-15

Date Collected: 07/06/23 13:45

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 17:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 20:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 20:53	CH	EET MID

Client Sample ID: BH-189 (4')

Lab Sample ID: 880-30464-16

Date Collected: 07/06/23 14:00

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 17:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 20:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/10/23 20:58	CH	EET MID

Client Sample ID: BH-190 (4')

Lab Sample ID: 880-30464-17

Date Collected: 07/06/23 14:15

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 18:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/16/23 21:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-190 (4')

Lab Sample ID: 880-30464-17

Date Collected: 07/06/23 14:15

Matrix: Solid

Date Received: 07/07/23 14:22

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	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		5			57326	07/10/23 21:03	CH	EET MID

Client Sample ID: BH-191 (4')

Lab Sample ID: 880-30464-18

Date Collected: 07/06/23 14:30

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 18:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/17/23 06:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		5			57326	07/10/23 21:08	CH	EET MID

Client Sample ID: BH-192 (4')

Lab Sample ID: 880-30464-19

Date Collected: 07/06/23 14:45

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 19:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/17/23 07:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		5			57326	07/10/23 21:13	CH	EET MID

Client Sample ID: BH-193 (4')

Lab Sample ID: 880-30464-20

Date Collected: 07/06/23 15:00

Matrix: Solid

Date Received: 07/07/23 14:22

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	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 19:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/11/23 12:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	57538	07/12/23 16:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57759	07/17/23 07:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57181	07/07/23 15:43	KS	EET MID
Soluble	Analysis	300.0		1			57326	07/11/23 10:21	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-194 (4')

Lab Sample ID: 880-30464-21

Date Collected: 07/06/23 15:15

Matrix: Solid

Date Received: 07/07/23 14:22

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	57170	07/07/23 16:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57167	07/08/23 07:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 15:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	57564	07/13/23 09:12	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57666	07/14/23 17:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57179	07/07/23 15:42	KS	EET MID
Soluble	Analysis	300.0		1			57328	07/11/23 01:32	CH	EET MID

Client Sample ID: BH-195 (4')

Lab Sample ID: 880-30464-22

Date Collected: 07/06/23 15:30

Matrix: Solid

Date Received: 07/07/23 14:22

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	57170	07/07/23 16:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57167	07/08/23 09:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 15:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	57564	07/13/23 09:12	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57666	07/14/23 17:41	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57179	07/07/23 15:42	KS	EET MID
Soluble	Analysis	300.0		5			57328	07/11/23 01:38	CH	EET MID

Client Sample ID: BH-196 (4')

Lab Sample ID: 880-30464-23

Date Collected: 07/06/23 15:45

Matrix: Solid

Date Received: 07/07/23 14:22

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	57170	07/07/23 16:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57167	07/08/23 09:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 15:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	57564	07/13/23 09:12	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57666	07/14/23 18:03	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	57179	07/07/23 15:42	KS	EET MID
Soluble	Analysis	300.0		10			57328	07/11/23 01:43	CH	EET MID

Client Sample ID: BH-197 (4')

Lab Sample ID: 880-30464-24

Date Collected: 07/06/23 16:00

Matrix: Solid

Date Received: 07/07/23 14:22

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	57170	07/07/23 16:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57167	07/08/23 10:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 15:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-197 (4')

Lab Sample ID: 880-30464-24

Date Collected: 07/06/23 16:00

Matrix: Solid

Date Received: 07/07/23 14:22

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			57850	07/17/23 14:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	57564	07/13/23 09:12	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57666	07/15/23 07:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57179	07/07/23 15:42	KS	EET MID
Soluble	Analysis	300.0		5			57328	07/11/23 01:47	CH	EET MID

Client Sample ID: BH-198 (4')

Lab Sample ID: 880-30464-25

Date Collected: 07/06/23 16:15

Matrix: Solid

Date Received: 07/07/23 14:22

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	57170	07/07/23 16:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57167	07/08/23 10:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 15:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	57564	07/13/23 09:12	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57666	07/15/23 08:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57179	07/07/23 15:42	KS	EET MID
Soluble	Analysis	300.0		10			57328	07/11/23 01:52	CH	EET MID

Client Sample ID: BH-199 (4')

Lab Sample ID: 880-30464-26

Date Collected: 07/06/23 16:30

Matrix: Solid

Date Received: 07/07/23 14:22

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	57170	07/07/23 16:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57167	07/08/23 10:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 15:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	57564	07/13/23 09:12	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57666	07/15/23 08:50	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	57179	07/07/23 15:42	KS	EET MID
Soluble	Analysis	300.0		10			57328	07/11/23 02:07	CH	EET MID

Client Sample ID: BH-200 (4')

Lab Sample ID: 880-30464-27

Date Collected: 07/06/23 16:45

Matrix: Solid

Date Received: 07/07/23 14:22

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	57170	07/07/23 16:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57167	07/08/23 11:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 15:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/17/23 14:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	57564	07/13/23 09:12	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57666	07/15/23 09:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Client Sample ID: BH-200 (4')**Lab Sample ID: 880-30464-27****Date Collected: 07/06/23 16:45****Matrix: Solid****Date Received: 07/07/23 14:22**

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	58211	07/21/23 12:00	KS	EET MID
Soluble	Analysis	300.0		5			58248	07/21/23 18:50	CH	EET MID

Client Sample ID: BH-201 (4')**Lab Sample ID: 880-30464-28****Date Collected: 07/06/23 17:00****Matrix: Solid****Date Received: 07/07/23 14:22**

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	57170	07/07/23 16:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57167	07/08/23 11:36	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 15:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/20/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	57730	07/14/23 17:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57996	07/19/23 16:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57179	07/07/23 15:42	KS	EET MID
Soluble	Analysis	300.0		5			57328	07/11/23 02:27	CH	EET MID

Client Sample ID: SW-34**Lab Sample ID: 880-30464-29****Date Collected: 07/06/23 17:15****Matrix: Solid****Date Received: 07/07/23 14:22**

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	57170	07/07/23 16:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57167	07/08/23 11:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57337	07/10/23 15:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			57850	07/20/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	57730	07/14/23 17:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57996	07/19/23 16:43	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57179	07/07/23 15:42	KS	EET MID
Soluble	Analysis	300.0		1			57328	07/11/23 02:32	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:
ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-30464-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30464-1	BH-174 (4')	Solid	07/06/23 10:00	07/07/23 14:22
880-30464-2	BH-175 (4')	Solid	07/06/23 10:15	07/07/23 14:22
880-30464-3	BH-176 (4')	Solid	07/06/23 10:30	07/07/23 14:22
880-30464-4	BH-177 (4')	Solid	07/06/23 10:45	07/07/23 14:22
880-30464-5	BH-178 (4')	Solid	07/06/23 11:00	07/07/23 14:22
880-30464-6	BH-179 (4')	Solid	07/06/23 11:15	07/07/23 14:22
880-30464-7	BH-180 (4')	Solid	07/06/23 11:30	07/07/23 14:22
880-30464-8	BH-181 (4')	Solid	07/06/23 11:45	07/07/23 14:22
880-30464-9	BH-182 (4')	Solid	07/06/23 12:00	07/07/23 14:22
880-30464-10	BH-183 (4')	Solid	07/06/23 12:15	07/07/23 14:22
880-30464-11	BH-184 (4')	Solid	07/06/23 12:30	07/07/23 14:22
880-30464-12	BH-185 (4')	Solid	07/06/23 13:00	07/07/23 14:22
880-30464-13	BH-186 (4')	Solid	07/06/23 13:15	07/07/23 14:22
880-30464-14	BH-187 (4')	Solid	07/06/23 13:30	07/07/23 14:22
880-30464-15	BH-188 (4')	Solid	07/06/23 13:45	07/07/23 14:22
880-30464-16	BH-189 (4')	Solid	07/06/23 14:00	07/07/23 14:22
880-30464-17	BH-190 (4')	Solid	07/06/23 14:15	07/07/23 14:22
880-30464-18	BH-191 (4')	Solid	07/06/23 14:30	07/07/23 14:22
880-30464-19	BH-192 (4')	Solid	07/06/23 14:45	07/07/23 14:22
880-30464-20	BH-193 (4')	Solid	07/06/23 15:00	07/07/23 14:22
880-30464-21	BH-194 (4')	Solid	07/06/23 15:15	07/07/23 14:22
880-30464-22	BH-195 (4')	Solid	07/06/23 15:30	07/07/23 14:22
880-30464-23	BH-196 (4')	Solid	07/06/23 15:45	07/07/23 14:22
880-30464-24	BH-197 (4')	Solid	07/06/23 16:00	07/07/23 14:22
880-30464-25	BH-198 (4')	Solid	07/06/23 16:15	07/07/23 14:22
880-30464-26	BH-199 (4')	Solid	07/06/23 16:30	07/07/23 14:22
880-30464-27	BH-200 (4')	Solid	07/06/23 16:45	07/07/23 14:22
880-30464-28	BH-201 (4')	Solid	07/06/23 17:00	07/07/23 14:22
880-30464-29	SW-34	Solid	07/06/23 17:15	07/07/23 14:22

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 582-4559
Fax (432) 582-5946



880-30464 Chain of Custody

Client Name Solaris Midstream Site Manager Brittany Long

Project Name Bronco Revelation Pond Water Release Contact Info brittany.long@tetratech.com

Project Location (county, state) Lea County, NM Project # 212C-MD-02820

Invoice to: Rob Kirk

Receiving Laboratory Eurofins Xenco Laboratories Sampler Signature Ivan Ramos

Comments

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		YEAR	DATE		TIME	WATER	SOIL					HCL	HNO ₃	ICE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	# CONTAINERS			FILTERED (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	BH-174 (4)	7/6/2023	10:00	X			X			1		BTEX 8021B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by: Sam Ramos Date: 7-7-23 Time: 14:28
Received by: [Signature] Date: 7/12/23 Time: 14:22

Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: _____ Time: _____

Sample Temperature: S.O.I.47

LAB USE ONLY

REMARKS

☐ RUSH Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

30416

Page 2 of _____

Client Name		Solaris Midstream				Site Manager		Brittany Long				
Project Name		Bronco Revelation Pond Water Release				Contact Info		brittany.long@tetratech.com				
Project Location (county state)		Lea County, NM				Project #		212C-MD-02820				
Invoice to		Rob Kirk										
Receiving Laboratory		Eurofins Xenco Laboratories				Sampler Signature		Ivan Ramos				
Comments												
LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS		FILTERED (Y/N)		
		YEAR	DATE	TIME	WATER	SOIL	HCL					HNO ₃
	BH-184 (4)	7/6/2023		12 30	X			X			1	
	BH-185 (4)	7/6/2023		1 00	X			X			1	
	BH-186 (4)	7/6/2023		1 15	X			X			1	
	BH-187 (4)	7/6/2023		1 30	X			X			1	
	BH-188 (4)	7/6/2023		1 45	X			X			1	
	BH-189 (4)	7/6/2023		2 00	X			X			1	
	BH-190 (4)	7/6/2023		2 15	X			X			1	
	BH-191 (4)	7/6/2023		2 30	X			X			1	
	BH-192 (4)	7/6/2023		2 45	X			X			1	
	BH-193 (4)	7/6/2023		3 00	X			X			1	
Relinquished by		Date	Time	Received by		Date	Time					
Ivan Ramos		7-7-23	14.20			7/7/23	1422					
Relinquished by		Date	Time	Received by		Date	Time					
Relinquished by		Date	Time	Received by		Date	Time					

[illegible]

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Loc: 880
30464

of

Client Name Solaris Midstream Site Manager Brittany Long

Project Name Bronco Revelation Pond Water Release Contact Info brittany.long@tetratech.com

Project Location (county, state) Lea County, NM Project # 212C-MD-02820

Invoice to Rob Kirk

Receiving Laboratory Eurofins Xenco Laboratorios Sampler Signature Ivan Ramos

Comments

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		YEAR	DATE	TIME	WATER	SOIL	HCL		
							HNO ₃		
	BH-194 (4')		7/6/2023	15:15	X		X	1	
	BH-195 (4')		7/6/2023	15:30	X		X	1	
	BH-196 (4')		7/6/2023	15:45	X		X	1	
	BH-197 (4')		7/6/2023	16:00	X		X	1	
	BH-198 (4')		7/6/2023	16:15	X		X	1	
	BH-199 (4')		7/6/2023	16:30	X		X	1	
	BH-200 (4')		7/6/2023	16:45	X		X	1	
	BH-201 (4')		7/6/2023	17:00	X		X	1	
	SW-34		7/6/23	17:15	X		X	1	
Relinquished by	Date Time	Received by	Date Time						
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
☒	TPH TX1005 (Ext to C35)
☒	TPH 8015M (GRO DRO ORO)
☒	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
☒	Asbestos
☒	Hold

LAB USE ONLY

REMARKS

Standard

☐ RUSH Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Sample Temperature

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-30464-1

SDG Number: Lea County, NM

Login Number: 30464**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	



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Brittany Long
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Generated 8/23/2023 11:44:03 AM

JOB DESCRIPTION

Bronco Revelation Pond Water Release
SDG NUMBER Lea County, NM

JOB NUMBER

880-31956-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

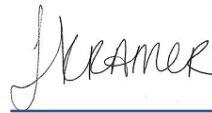
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
8/23/2023 11:44:03 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Laboratory Job ID: 880-31956-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	32
QC Sample Results	35
QC Association Summary	45
Lab Chronicle	53
Certification Summary	63
Method Summary	64
Sample Summary	65
Chain of Custody	66
Receipt Checklists	70

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Definitions/Glossary

Client: Tetra Tech, Inc.

Job ID: 880-31956-1

Project/Site: Bronco Revelation Pond Water Release

SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Midland

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Job ID: 880-31956-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-31956-1**

Receipt

The samples were received on 8/11/2023 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH-202 (5') (880-31956-1), BH-203 (5') (880-31956-2), BH-204 (5') (880-31956-3), BH-205 (5') (880-31956-4), BH-206 (5') (880-31956-5), BH-207 (5') (880-31956-6), BH-208 (5') (880-31956-7), BH-209 (5') (880-31956-8), BH-210 (5') (880-31956-9), BH-211 (5') (880-31956-10), BH-212 (5') (880-31956-11), BH-213 (5') (880-31956-12), BH-214 (5') (880-31956-13), BH-215 (5') (880-31956-14), BH-216 (5') (880-31956-15), BH-217 (2') (880-31956-16), BH-218 (2') (880-31956-17), BH-219 (2') (880-31956-18), BH-220 (5') (880-31956-19), BH-221 (5') (880-31956-20), BH-222 (5') (880-31956-21), BH-223 (4') (880-31956-22), BH-224 (4') (880-31956-23), BH-225 (4') (880-31956-24), BH-226 (4') (880-31956-25), BH-227 (3') (880-31956-26), BH-228 (3') (880-31956-27), BH-229 (3') (880-31956-28), BH-230 (3') (880-31956-29), SW-56 (880-31956-30), SW-57 (880-31956-31), SW-58 (880-31956-32) and SW-35 (880-31956-33).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-60812/5-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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60593 and analytical batch 880-60630 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-222 (5') (880-31956-21), BH-224 (4') (880-31956-23), (880-31941-A-1-E), (880-31941-A-1-F MS) and (880-31941-A-1-G MSD). 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: (CCV 880-60630/20), (CCV 880-60630/31) and (CCV 880-60630/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60592 and analytical batch 880-60635 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-202 (5') (880-31956-1), BH-203 (5') (880-31956-2), BH-206 (5') (880-31956-5), BH-209 (5') (880-31956-8), BH-210 (5') (880-31956-9), BH-211 (5') (880-31956-10), BH-212 (5') (880-31956-11), BH-213 (5') (880-31956-12), BH-214 (5') (880-31956-13), BH-215 (5') (880-31956-14), BH-216 (5') (880-31956-15), BH-217 (2') (880-31956-16), BH-218 (2') (880-31956-17), BH-219 (2') (880-31956-18), BH-220 (5') (880-31956-19), BH-221 (5') (880-31956-20), (880-31956-A-1-E MS) and (880-31956-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-60592 and analytical batch 880-60635 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-60635 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-60635/31).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60635/20), (CCV

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Job ID: 880-31956-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

880-60635/31) and (CCV 880-60635/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60603 and analytical batch 880-60642 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-60603 and analytical batch 880-60642 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-60642 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60642/20).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-59949 and analytical batch 880-60061 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: BH-222 (5') (880-31956-21), BH-223 (4') (880-31956-22), BH-224 (4') (880-31956-23), BH-225 (4') (880-31956-24), BH-226 (4') (880-31956-25), BH-227 (3') (880-31956-26), BH-228 (3') (880-31956-27), BH-229 (3') (880-31956-28), BH-230 (3') (880-31956-29), SW-56 (880-31956-30), (880-31956-A-21-B MS) and (880-31956-A-21-C MSD).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-59948 and 880-59948 and analytical batch 880-60060 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: BH-202 (5') (880-31956-1), BH-203 (5') (880-31956-2), BH-204 (5') (880-31956-3), BH-205 (5') (880-31956-4), BH-206 (5') (880-31956-5), BH-207 (5') (880-31956-6), BH-208 (5') (880-31956-7), BH-209 (5') (880-31956-8), BH-210 (5') (880-31956-9), BH-211 (5') (880-31956-10), (CCV 880-60060/13), (880-31956-A-1-B MS) and (880-31956-A-1-C MSD).

Method 300_ORGFM_28D: The matrix spike duplicate (MSD) recoveries for preparation batch 880-59948 and analytical batch 880-60060 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are: BH-212 (5') (880-31956-11), BH-213 (5') (880-31956-12), BH-214 (5') (880-31956-13), BH-215 (5') (880-31956-14), BH-216 (5') (880-31956-15), BH-217 (2') (880-31956-16), BH-218 (2') (880-31956-17), BH-219 (2') (880-31956-18), BH-220 (5') (880-31956-19), BH-221 (5') (880-31956-20) and (880-31956-A-11-C MSD).

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 Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-202 (5')

Lab Sample ID: 880-31956-1

Date Collected: 08/10/23 08:30

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 14:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 14:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 14:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/23 10:56	08/22/23 14:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 14:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/23 10:56	08/22/23 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	08/22/23 10:56	08/22/23 14:34	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/22/23 10:56	08/22/23 14:34	1

Method: TAL SOP 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			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 17:59	08/21/23 10:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		08/18/23 17:59	08/21/23 10:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 17:59	08/21/23 10:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	08/18/23 17:59	08/21/23 10:29	1
o-Terphenyl	122		70 - 130	08/18/23 17:59	08/21/23 10:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	952	F1	5.02		mg/Kg			08/12/23 20:26	1

Client Sample ID: BH-203 (5')

Lab Sample ID: 880-31956-2

Date Collected: 08/10/23 08:40

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 14:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 14:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 14:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 10:56	08/22/23 14:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 14:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/23 10:56	08/22/23 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	08/22/23 10:56	08/22/23 14:55	1
1,4-Difluorobenzene (Surr)	121		70 - 130	08/22/23 10:56	08/22/23 14:55	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-203 (5')

Lab Sample ID: 880-31956-2

Date Collected: 08/10/23 08:40

Matrix: Solid

Date Received: 08/11/23 11:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/18/23 17:59	08/21/23 11:35	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/18/23 17:59	08/21/23 11:35	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/18/23 17:59	08/21/23 11:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				08/18/23 17:59	08/21/23 11:35	1
o-Terphenyl	121		70 - 130				08/18/23 17:59	08/21/23 11:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2530		25.0		mg/Kg			08/12/23 20:57	5

Client Sample ID: BH-204 (5')

Lab Sample ID: 880-31956-3

Date Collected: 08/10/23 08:50

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 15:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 15:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 15:16	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/22/23 10:56	08/22/23 15:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 15:16	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/22/23 10:56	08/22/23 15:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				08/22/23 10:56	08/22/23 15:16	1
1,4-Difluorobenzene (Surr)	119		70 - 130				08/22/23 10:56	08/22/23 15:16	1

Method: TAL SOP 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			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/18/23 17:59	08/21/23 11:57	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/18/23 17:59	08/21/23 11:57	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-204 (5')

Lab Sample ID: 880-31956-3

Date Collected: 08/10/23 08:50

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/18/23 17:59	08/21/23 11:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				08/18/23 17:59	08/21/23 11:57	1
o-Terphenyl	110		70 - 130				08/18/23 17:59	08/21/23 11:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1790		24.9		mg/Kg			08/12/23 21:07	5

Client Sample ID: BH-205 (5')

Lab Sample ID: 880-31956-4

Date Collected: 08/10/23 09:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 15:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 15:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 15:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/22/23 10:56	08/22/23 15:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 15:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/22/23 10:56	08/22/23 15:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				08/22/23 10:56	08/22/23 15:37	1
1,4-Difluorobenzene (Surr)	119		70 - 130				08/22/23 10:56	08/22/23 15:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/18/23 17:59	08/21/23 12:19	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/18/23 17:59	08/21/23 12:19	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/18/23 17:59	08/21/23 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				08/18/23 17:59	08/21/23 12:19	1
o-Terphenyl	115		70 - 130				08/18/23 17:59	08/21/23 12:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.6		4.99		mg/Kg			08/12/23 21:18	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-206 (5')

Lab Sample ID: 880-31956-5

Date Collected: 08/10/23 09:10

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 15:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 15:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 15:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/22/23 10:56	08/22/23 15:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 15:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/22/23 10:56	08/22/23 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	08/22/23 10:56	08/22/23 15:57	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/22/23 10:56	08/22/23 15:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/18/23 17:59	08/21/23 12:41	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/18/23 17:59	08/21/23 12:41	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/18/23 17:59	08/21/23 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	08/18/23 17:59	08/21/23 12:41	1
o-Terphenyl	123		70 - 130	08/18/23 17:59	08/21/23 12:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1910		25.1		mg/Kg			08/12/23 21:28	5

Client Sample ID: BH-207 (5')

Lab Sample ID: 880-31956-6

Date Collected: 08/10/23 09:20

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 16:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 16:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 16:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/23 10:56	08/22/23 16:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 16:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/22/23 10:56	08/22/23 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/22/23 10:56	08/22/23 16:18	1
1,4-Difluorobenzene (Surr)	122		70 - 130	08/22/23 10:56	08/22/23 16:18	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-207 (5')

Lab Sample ID: 880-31956-6

Date Collected: 08/10/23 09:20

Matrix: Solid

Date Received: 08/11/23 11:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/18/23 17:59	08/21/23 13:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/18/23 17:59	08/21/23 13:03	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/18/23 17:59	08/21/23 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/18/23 17:59	08/21/23 13:03	1
o-Terphenyl	114		70 - 130				08/18/23 17:59	08/21/23 13:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2800		25.2		mg/Kg			08/12/23 21:59	5

Client Sample ID: BH-208 (5')

Lab Sample ID: 880-31956-7

Date Collected: 08/10/23 09:30

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 16:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 16:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 16:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/23 10:56	08/22/23 16:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 16:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/23 10:56	08/22/23 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/22/23 10:56	08/22/23 16:39	1
1,4-Difluorobenzene (Surr)	121		70 - 130				08/22/23 10:56	08/22/23 16:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/18/23 17:59	08/21/23 13:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/18/23 17:59	08/21/23 13:24	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-208 (5')

Lab Sample ID: 880-31956-7

Date Collected: 08/10/23 09:30

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/18/23 17:59	08/21/23 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				08/18/23 17:59	08/21/23 13:24	1
o-Terphenyl	108		70 - 130				08/18/23 17:59	08/21/23 13:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	566		5.04		mg/Kg			08/12/23 22:10	1

Client Sample ID: BH-209 (5')

Lab Sample ID: 880-31956-8

Date Collected: 08/10/23 09:40

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 16:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 16:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 16:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 10:56	08/22/23 16:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 16:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/23 10:56	08/22/23 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/22/23 10:56	08/22/23 16:59	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/22/23 10:56	08/22/23 16:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/23 17:59	08/21/23 13:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 17:59	08/21/23 13:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 17:59	08/21/23 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				08/18/23 17:59	08/21/23 13:46	1
o-Terphenyl	131	S1+	70 - 130				08/18/23 17:59	08/21/23 13:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		4.96		mg/Kg			08/12/23 22:20	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-210 (5')

Lab Sample ID: 880-31956-9

Date Collected: 08/10/23 09:50

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 17:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 17:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 17:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/22/23 10:56	08/22/23 17:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 17:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/22/23 10:56	08/22/23 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	08/22/23 10:56	08/22/23 17:20	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/22/23 10:56	08/22/23 17:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 17:59	08/21/23 14:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/23 17:59	08/21/23 14:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 17:59	08/21/23 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130	08/18/23 17:59	08/21/23 14:08	1
o-Terphenyl	130		70 - 130	08/18/23 17:59	08/21/23 14:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.95		mg/Kg			08/12/23 22:30	1

Client Sample ID: BH-211 (5')

Lab Sample ID: 880-31956-10

Date Collected: 08/10/23 10:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/23 10:56	08/22/23 17:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/23 10:56	08/22/23 17:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/23 10:56	08/22/23 17:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/23 10:56	08/22/23 17:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/23 10:56	08/22/23 17:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/23 10:56	08/22/23 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	08/22/23 10:56	08/22/23 17:41	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/22/23 10:56	08/22/23 17:41	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-211 (5')

Lab Sample ID: 880-31956-10

Date Collected: 08/10/23 10:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/18/23 17:59	08/21/23 14:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/18/23 17:59	08/21/23 14:31	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/18/23 17:59	08/21/23 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				08/18/23 17:59	08/21/23 14:31	1
o-Terphenyl	125		70 - 130				08/18/23 17:59	08/21/23 14:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1390		24.9		mg/Kg			08/13/23 14:24	5

Client Sample ID: BH-212 (5')

Lab Sample ID: 880-31956-11

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/23 10:56	08/22/23 19:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/23 10:56	08/22/23 19:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/23 10:56	08/22/23 19:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/23 10:56	08/22/23 19:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/23 10:56	08/22/23 19:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/23 10:56	08/22/23 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				08/22/23 10:56	08/22/23 19:04	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/22/23 10:56	08/22/23 19:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/18/23 17:59	08/21/23 15:14	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/18/23 17:59	08/21/23 15:14	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-212 (5')

Lab Sample ID: 880-31956-11

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/18/23 17:59	08/21/23 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				08/18/23 17:59	08/21/23 15:14	1
o-Terphenyl	127		70 - 130				08/18/23 17:59	08/21/23 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		5.04		mg/Kg			08/13/23 14:35	1

Client Sample ID: BH-213 (5')

Lab Sample ID: 880-31956-12

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 19:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 19:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 19:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/23 10:56	08/22/23 19:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 19:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/23 10:56	08/22/23 19:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				08/22/23 10:56	08/22/23 19:24	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/22/23 10:56	08/22/23 19:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/18/23 17:59	08/21/23 15:36	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/18/23 17:59	08/21/23 15:36	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/18/23 17:59	08/21/23 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				08/18/23 17:59	08/21/23 15:36	1
o-Terphenyl	132	S1+	70 - 130				08/18/23 17:59	08/21/23 15:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		4.98		mg/Kg			08/12/23 23:22	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-214 (5')

Lab Sample ID: 880-31956-13

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 19:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 19:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 19:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/23 10:56	08/22/23 19:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 19:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/23 10:56	08/22/23 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	08/22/23 10:56	08/22/23 19:45	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/22/23 10:56	08/22/23 19:45	1

Method: TAL SOP 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			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/18/23 17:59	08/21/23 15:58	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/18/23 17:59	08/21/23 15:58	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/18/23 17:59	08/21/23 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	08/18/23 17:59	08/21/23 15:58	1
o-Terphenyl	124		70 - 130	08/18/23 17:59	08/21/23 15:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2420		25.0		mg/Kg			08/12/23 23:32	5

Client Sample ID: BH-215 (5')

Lab Sample ID: 880-31956-14

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 20:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 20:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 20:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/22/23 10:56	08/22/23 20:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 20:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/22/23 10:56	08/22/23 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	08/22/23 10:56	08/22/23 20:06	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/22/23 10:56	08/22/23 20:06	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-215 (5')

Lab Sample ID: 880-31956-14

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/18/23 17:59	08/21/23 16:20	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/18/23 17:59	08/21/23 16:20	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/18/23 17:59	08/21/23 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130				08/18/23 17:59	08/21/23 16:20	1
o-Terphenyl	151	S1+	70 - 130				08/18/23 17:59	08/21/23 16:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	906		5.01		mg/Kg			08/13/23 00:04	1

Client Sample ID: BH-216 (5')

Lab Sample ID: 880-31956-15

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 20:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 20:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 20:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/22/23 10:56	08/22/23 20:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/23 10:56	08/22/23 20:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/22/23 10:56	08/22/23 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				08/22/23 10:56	08/22/23 20:27	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/22/23 10:56	08/22/23 20:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/18/23 17:59	08/21/23 16:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/18/23 17:59	08/21/23 16:42	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-216 (5')

Lab Sample ID: 880-31956-15

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/18/23 17:59	08/21/23 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				08/18/23 17:59	08/21/23 16:42	1
o-Terphenyl	125		70 - 130				08/18/23 17:59	08/21/23 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	392		5.00		mg/Kg			08/13/23 00:14	1

Client Sample ID: BH-217 (2')

Lab Sample ID: 880-31956-16

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 20:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 20:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 20:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/23 10:56	08/22/23 20:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 20:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/22/23 10:56	08/22/23 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/22/23 10:56	08/22/23 20:47	1
1,4-Difluorobenzene (Surr)	120		70 - 130				08/22/23 10:56	08/22/23 20:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/18/23 17:59	08/21/23 17:04	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/18/23 17:59	08/21/23 17:04	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/18/23 17:59	08/21/23 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				08/18/23 17:59	08/21/23 17:04	1
o-Terphenyl	124		70 - 130				08/18/23 17:59	08/21/23 17:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	930		5.00		mg/Kg			08/13/23 00:24	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-218 (2')

Lab Sample ID: 880-31956-17

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 21:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 21:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 21:08	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/22/23 10:56	08/22/23 21:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/23 10:56	08/22/23 21:08	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/22/23 10:56	08/22/23 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/22/23 10:56	08/22/23 21:08	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/22/23 10:56	08/22/23 21:08	1

Method: TAL SOP 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			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/18/23 17:59	08/21/23 17:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/18/23 17:59	08/21/23 17:26	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/18/23 17:59	08/21/23 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	169	S1+	70 - 130	08/18/23 17:59	08/21/23 17:26	1
o-Terphenyl	149	S1+	70 - 130	08/18/23 17:59	08/21/23 17:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.0		4.97		mg/Kg			08/13/23 00:35	1

Client Sample ID: BH-219 (2')

Lab Sample ID: 880-31956-18

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 21:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 21:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 21:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 10:56	08/22/23 21:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/23 10:56	08/22/23 21:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/23 10:56	08/22/23 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/22/23 10:56	08/22/23 21:29	1
1,4-Difluorobenzene (Surr)	118		70 - 130	08/22/23 10:56	08/22/23 21:29	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-219 (2')

Lab Sample ID: 880-31956-18

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/18/23 17:59	08/21/23 17:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/18/23 17:59	08/21/23 17:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/18/23 17:59	08/21/23 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				08/18/23 17:59	08/21/23 17:48	1
o-Terphenyl	126		70 - 130				08/18/23 17:59	08/21/23 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		4.97		mg/Kg			08/13/23 00:45	1

Client Sample ID: BH-220 (5')

Lab Sample ID: 880-31956-19

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 21:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 21:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 21:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/23 10:56	08/22/23 21:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 21:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/23 10:56	08/22/23 21:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/22/23 10:56	08/22/23 21:49	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/22/23 10:56	08/22/23 21:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/23 17:59	08/21/23 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 17:59	08/21/23 18:10	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-220 (5')

Lab Sample ID: 880-31956-19

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 17:59	08/21/23 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 130				08/18/23 17:59	08/21/23 18:10	1
o-Terphenyl	139	S1+	70 - 130				08/18/23 17:59	08/21/23 18:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.2		5.05		mg/Kg			08/13/23 00:55	1

Client Sample ID: BH-221 (5')

Lab Sample ID: 880-31956-20

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 22:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 22:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 22:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/23 10:56	08/22/23 22:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 22:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/22/23 10:56	08/22/23 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/22/23 10:56	08/22/23 22:10	1
1,4-Difluorobenzene (Surr)	121		70 - 130				08/22/23 10:56	08/22/23 22:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/22/23 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/18/23 17:59	08/21/23 18:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/18/23 17:59	08/21/23 18:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/18/23 17:59	08/21/23 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130				08/18/23 17:59	08/21/23 18:31	1
o-Terphenyl	153	S1+	70 - 130				08/18/23 17:59	08/21/23 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.7		5.01		mg/Kg			08/13/23 01:06	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-222 (5')

Lab Sample ID: 880-31956-21

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 01:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 01:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 01:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 11:07	08/23/23 01:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 01:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/23 11:07	08/23/23 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	08/22/23 11:07	08/23/23 01:15	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/22/23 11:07	08/23/23 01:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 18:02	08/20/23 15:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/23 18:02	08/20/23 15:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 18:02	08/20/23 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	08/18/23 18:02	08/20/23 15:22	1
o-Terphenyl	137	S1+	70 - 130	08/18/23 18:02	08/20/23 15:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.3	F1	4.97		mg/Kg			08/13/23 02:29	1

Client Sample ID: BH-223 (4')

Lab Sample ID: 880-31956-22

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 01:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 01:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 01:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/22/23 11:07	08/23/23 01:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 01:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/22/23 11:07	08/23/23 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/22/23 11:07	08/23/23 01:36	1
1,4-Difluorobenzene (Surr)	118		70 - 130	08/22/23 11:07	08/23/23 01:36	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-223 (4')

Lab Sample ID: 880-31956-22

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/18/23 18:02	08/20/23 15:45	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/18/23 18:02	08/20/23 15:45	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/18/23 18:02	08/20/23 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				08/18/23 18:02	08/20/23 15:45	1
o-Terphenyl	126		70 - 130				08/18/23 18:02	08/20/23 15:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.04		mg/Kg			08/13/23 04:33	1

Client Sample ID: BH-224 (4')

Lab Sample ID: 880-31956-23

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/23 11:07	08/23/23 01:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/23 11:07	08/23/23 01:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/23 11:07	08/23/23 01:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/23 11:07	08/23/23 01:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/23 11:07	08/23/23 01:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/23 11:07	08/23/23 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/22/23 11:07	08/23/23 01:57	1
1,4-Difluorobenzene (Surr)	119		70 - 130				08/22/23 11:07	08/23/23 01:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/18/23 18:02	08/20/23 16:08	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/18/23 18:02	08/20/23 16:08	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-224 (4')

Lab Sample ID: 880-31956-23

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/18/23 18:02	08/20/23 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				08/18/23 18:02	08/20/23 16:08	1
o-Terphenyl	134	S1+	70 - 130				08/18/23 18:02	08/20/23 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		5.02		mg/Kg			08/13/23 03:00	1

Client Sample ID: BH-225 (4')

Lab Sample ID: 880-31956-24

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 02:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 02:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 02:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/23 11:07	08/23/23 02:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 02:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/22/23 11:07	08/23/23 02:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/22/23 11:07	08/23/23 02:17	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/22/23 11:07	08/23/23 02:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/18/23 18:02	08/20/23 16:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/18/23 18:02	08/20/23 16:30	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/18/23 18:02	08/20/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				08/18/23 18:02	08/20/23 16:30	1
o-Terphenyl	128		70 - 130				08/18/23 18:02	08/20/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		4.99		mg/Kg			08/13/23 03:10	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-226 (4')

Lab Sample ID: 880-31956-25

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 02:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 02:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 02:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 11:07	08/23/23 02:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 02:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/23 11:07	08/23/23 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/22/23 11:07	08/23/23 02:38	1
1,4-Difluorobenzene (Surr)	114		70 - 130	08/22/23 11:07	08/23/23 02:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/18/23 18:02	08/20/23 16:53	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/18/23 18:02	08/20/23 16:53	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/18/23 18:02	08/20/23 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	08/18/23 18:02	08/20/23 16:53	1
o-Terphenyl	122		70 - 130	08/18/23 18:02	08/20/23 16:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		4.98		mg/Kg			08/13/23 03:21	1

Client Sample ID: BH-227 (3')

Lab Sample ID: 880-31956-26

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 02:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 02:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 02:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/23 11:07	08/23/23 02:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 02:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/23 11:07	08/23/23 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	08/22/23 11:07	08/23/23 02:59	1
1,4-Difluorobenzene (Surr)	115		70 - 130	08/22/23 11:07	08/23/23 02:59	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-227 (3')

Lab Sample ID: 880-31956-26

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/18/23 18:02	08/20/23 17:15	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/18/23 18:02	08/20/23 17:15	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/18/23 18:02	08/20/23 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/18/23 18:02	08/20/23 17:15	1
o-Terphenyl	125		70 - 130				08/18/23 18:02	08/20/23 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.5		4.98		mg/Kg			08/13/23 03:31	1

Client Sample ID: BH-228 (3')

Lab Sample ID: 880-31956-27

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/23 11:07	08/23/23 03:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/23 11:07	08/23/23 03:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/22/23 11:07	08/23/23 03:19	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/22/23 11:07	08/23/23 03:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/23 11:07	08/23/23 03:19	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/22/23 11:07	08/23/23 03:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/22/23 11:07	08/23/23 03:19	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/22/23 11:07	08/23/23 03:19	1

Method: TAL SOP 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			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/18/23 18:02	08/20/23 17:38	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/18/23 18:02	08/20/23 17:38	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-228 (3')

Lab Sample ID: 880-31956-27

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/18/23 18:02	08/20/23 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/18/23 18:02	08/20/23 17:38	1
o-Terphenyl	121		70 - 130				08/18/23 18:02	08/20/23 17:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		4.96		mg/Kg			08/13/23 04:02	1

Client Sample ID: BH-229 (3')

Lab Sample ID: 880-31956-28

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 03:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 03:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 03:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/22/23 11:07	08/23/23 03:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 03:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/22/23 11:07	08/23/23 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/22/23 11:07	08/23/23 03:40	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/22/23 11:07	08/23/23 03:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/23 18:02	08/20/23 18:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 18:02	08/20/23 18:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 18:02	08/20/23 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				08/18/23 18:02	08/20/23 18:01	1
o-Terphenyl	112		70 - 130				08/18/23 18:02	08/20/23 18:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		5.02		mg/Kg			08/13/23 04:12	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-230 (3')

Lab Sample ID: 880-31956-29

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 04:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 04:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 04:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/23 11:07	08/23/23 04:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 04:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/22/23 11:07	08/23/23 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/22/23 11:07	08/23/23 04:01	1
1,4-Difluorobenzene (Surr)	120		70 - 130	08/22/23 11:07	08/23/23 04:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/18/23 18:02	08/20/23 18:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/18/23 18:02	08/20/23 18:24	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/18/23 18:02	08/20/23 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	08/18/23 18:02	08/20/23 18:24	1
o-Terphenyl	125		70 - 130	08/18/23 18:02	08/20/23 18:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		5.04		mg/Kg			08/13/23 04:23	1

Client Sample ID: SW-56

Lab Sample ID: 880-31956-30

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 04:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 04:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 04:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/22/23 11:07	08/23/23 04:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/23 11:07	08/23/23 04:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/22/23 11:07	08/23/23 04:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/22/23 11:07	08/23/23 04:21	1
1,4-Difluorobenzene (Surr)	115		70 - 130	08/22/23 11:07	08/23/23 04:21	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: SW-56

Lab Sample ID: 880-31956-30

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/21/23 14:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/18/23 18:02	08/20/23 18:47	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/18/23 18:02	08/20/23 18:47	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/18/23 18:02	08/20/23 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				08/18/23 18:02	08/20/23 18:47	1
o-Terphenyl	117		70 - 130				08/18/23 18:02	08/20/23 18:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		5.02		mg/Kg			08/13/23 04:43	1

Client Sample ID: SW-57

Lab Sample ID: 880-31956-31

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 05:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 05:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 05:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 11:07	08/23/23 05:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 05:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/23 11:07	08/23/23 05:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/22/23 11:07	08/23/23 05:45	1
1,4-Difluorobenzene (Surr)	110		70 - 130				08/22/23 11:07	08/23/23 05:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/22/23 14:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 18:07	08/21/23 18:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/23 18:07	08/21/23 18:11	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: SW-57

Lab Sample ID: 880-31956-31

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 18:07	08/21/23 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/18/23 18:07	08/21/23 18:11	1
o-Terphenyl	104		70 - 130				08/18/23 18:07	08/21/23 18:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387		4.98		mg/Kg			08/13/23 04:54	1

Client Sample ID: SW-58

Lab Sample ID: 880-31956-32

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/23 11:07	08/23/23 06:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/23 11:07	08/23/23 06:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/22/23 11:07	08/23/23 06:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/22/23 11:07	08/23/23 06:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/23 11:07	08/23/23 06:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/22/23 11:07	08/23/23 06:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/22/23 11:07	08/23/23 06:06	1
1,4-Difluorobenzene (Surr)	120		70 - 130				08/22/23 11:07	08/23/23 06:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/22/23 14:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/18/23 18:07	08/21/23 18:33	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/18/23 18:07	08/21/23 18:33	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/18/23 18:07	08/21/23 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/18/23 18:07	08/21/23 18:33	1
o-Terphenyl	109		70 - 130				08/18/23 18:07	08/21/23 18:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	426		5.05		mg/Kg			08/13/23 05:25	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: SW-35

Lab Sample ID: 880-31956-33

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 06:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 06:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 06:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 11:07	08/23/23 06:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/23 11:07	08/23/23 06:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/23 11:07	08/23/23 06:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/22/23 11:07	08/23/23 06:27	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/22/23 11:07	08/23/23 06:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/23 12:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			08/22/23 14:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		08/18/23 18:07	08/21/23 18:55	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		08/18/23 18:07	08/21/23 18:55	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/18/23 18:07	08/21/23 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	08/18/23 18:07	08/21/23 18:55	1
o-Terphenyl	96		70 - 130	08/18/23 18:07	08/21/23 18:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12300		101		mg/Kg			08/13/23 05:35	20

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-31956-1

Project/Site: Bronco Revelation Pond Water Release

SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-31956-1	BH-202 (5')	78	117
880-31956-1 MS	BH-202 (5')	90	107
880-31956-1 MSD	BH-202 (5')	89	107
880-31956-2	BH-203 (5')	81	121
880-31956-3	BH-204 (5')	83	119
880-31956-4	BH-205 (5')	81	119
880-31956-5	BH-206 (5')	82	116
880-31956-6	BH-207 (5')	86	122
880-31956-7	BH-208 (5')	85	121
880-31956-8	BH-209 (5')	78	114
880-31956-9	BH-210 (5')	81	119
880-31956-10	BH-211 (5')	83	119
880-31956-11	BH-212 (5')	82	114
880-31956-12	BH-213 (5')	84	116
880-31956-13	BH-214 (5')	83	117
880-31956-14	BH-215 (5')	80	116
880-31956-15	BH-216 (5')	84	117
880-31956-16	BH-217 (2')	88	120
880-31956-17	BH-218 (2')	86	119
880-31956-18	BH-219 (2')	85	118
880-31956-19	BH-220 (5')	86	115
880-31956-20	BH-221 (5')	92	121
880-31956-21	BH-222 (5')	78	110
880-31956-21 MS	BH-222 (5')	96	106
880-31956-21 MSD	BH-222 (5')	94	111
880-31956-22	BH-223 (4')	85	118
880-31956-23	BH-224 (4')	88	119
880-31956-24	BH-225 (4')	87	116
880-31956-25	BH-226 (4')	90	114
880-31956-26	BH-227 (3')	84	115
880-31956-27	BH-228 (3')	89	117
880-31956-28	BH-229 (3')	88	117
880-31956-29	BH-230 (3')	95	120
880-31956-30	SW-56	104	115
880-31956-31	SW-57	85	110
880-31956-32	SW-58	92	120
880-31956-33	SW-35	88	117
LCS 880-60812/1-A	Lab Control Sample	81	113
LCS 880-60815/1-A	Lab Control Sample	87	107
LCSD 880-60812/2-A	Lab Control Sample Dup	80	110
LCSD 880-60815/2-A	Lab Control Sample Dup	89	106
MB 880-60812/5-A	Method Blank	69 S1-	103
MB 880-60815/5-A	Method Blank	73	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-31956-1

Project/Site: Bronco Revelation Pond Water Release

SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-31901-A-1-C MS	Matrix Spike	91	93
880-31901-A-1-D MSD	Matrix Spike Duplicate	94	90
880-31941-A-1-F MS	Matrix Spike	133 S1+	131 S1+
880-31941-A-1-G MSD	Matrix Spike Duplicate	133 S1+	127
880-31956-1	BH-202 (5')	133 S1+	122
880-31956-1 MS	BH-202 (5')	148 S1+	115
880-31956-1 MSD	BH-202 (5')	140 S1+	111
880-31956-2	BH-203 (5')	136 S1+	121
880-31956-3	BH-204 (5')	127	110
880-31956-4	BH-205 (5')	127	115
880-31956-5	BH-206 (5')	138 S1+	123
880-31956-6	BH-207 (5')	124	114
880-31956-7	BH-208 (5')	122	108
880-31956-8	BH-209 (5')	147 S1+	131 S1+
880-31956-9	BH-210 (5')	150 S1+	130
880-31956-10	BH-211 (5')	139 S1+	125
880-31956-11	BH-212 (5')	144 S1+	127
880-31956-12	BH-213 (5')	150 S1+	132 S1+
880-31956-13	BH-214 (5')	138 S1+	124
880-31956-14	BH-215 (5')	172 S1+	151 S1+
880-31956-15	BH-216 (5')	144 S1+	125
880-31956-16	BH-217 (2')	137 S1+	124
880-31956-17	BH-218 (2')	169 S1+	149 S1+
880-31956-18	BH-219 (2')	142 S1+	126
880-31956-19	BH-220 (5')	158 S1+	139 S1+
880-31956-20	BH-221 (5')	172 S1+	153 S1+
880-31956-21	BH-222 (5')	126	137 S1+
880-31956-22	BH-223 (4')	114	126
880-31956-23	BH-224 (4')	120	134 S1+
880-31956-24	BH-225 (4')	122	128
880-31956-25	BH-226 (4')	113	122
880-31956-26	BH-227 (3')	115	125
880-31956-27	BH-228 (3')	111	121
880-31956-28	BH-229 (3')	102	112
880-31956-29	BH-230 (3')	116	125
880-31956-30	SW-56	107	117
880-31956-31	SW-57	94	104
880-31956-32	SW-58	94	109
880-31956-33	SW-35	83	96
LCS 880-60592/2-A	Lab Control Sample	124	109
LCS 880-60593/2-A	Lab Control Sample	95	108
LCS 880-60603/2-A	Lab Control Sample	94	103
LCSD 880-60592/3-A	Lab Control Sample Dup	118	102
LCSD 880-60593/3-A	Lab Control Sample Dup	107	123
LCSD 880-60603/3-A	Lab Control Sample Dup	93	107
MB 880-60592/1-A	Method Blank	175 S1+	161 S1+
MB 880-60593/1-A	Method Blank	146 S1+	161 S1+
MB 880-60603/1-A	Method Blank	128	151 S1+

Surrogate Legend

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Job ID: 880-31956-1
SDG: Lea County, NM

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60812/5-A

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60812

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 14:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 14:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 14:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/23 10:56	08/22/23 14:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 10:56	08/22/23 14:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/23 10:56	08/22/23 14:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	08/22/23 10:56	08/22/23 14:13	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/22/23 10:56	08/22/23 14:13	1

Lab Sample ID: LCS 880-60812/1-A

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1187		mg/Kg		119	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.08473		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1762		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08686		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-60812/2-A

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60812

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1165		mg/Kg		116	70 - 130	2	35
Toluene	0.100	0.09787		mg/Kg		98	70 - 130	4	35
Ethylbenzene	0.100	0.08079		mg/Kg		81	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1661		mg/Kg		83	70 - 130	6	35
o-Xylene	0.100	0.08171		mg/Kg		82	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-31956-1 MS

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: BH-202 (5')

Prep Type: Total/NA

Prep Batch: 60812

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.1058		mg/Kg		105	70 - 130
Toluene	<0.00200	U	0.101	0.1014		mg/Kg		100	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-31956-1 MS

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: BH-202 (5')

Prep Type: Total/NA

Prep Batch: 60812

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.101	0.09057		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.202	0.1942		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.101	0.09580		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-31956-1 MSD

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: BH-202 (5')

Prep Type: Total/NA

Prep Batch: 60812

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.1126		mg/Kg		111	70 - 130	6	35
Toluene	<0.00200	U	0.101	0.1047		mg/Kg		103	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.101	0.09180		mg/Kg		91	70 - 130	1	35
m-Xylene & p-Xylene	<0.00400	U	0.202	0.1961		mg/Kg		97	70 - 130	1	35
o-Xylene	<0.00200	U	0.101	0.09693		mg/Kg		96	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-60815/5-A

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 00:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 00:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 00:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/23 11:07	08/23/23 00:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 11:07	08/23/23 00:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/23 11:07	08/23/23 00:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	08/22/23 11:07	08/23/23 00:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/22/23 11:07	08/23/23 00:53	1

Lab Sample ID: LCS 880-60815/1-A

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09108		mg/Kg		91	70 - 130
Toluene	0.100	0.08358		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.07242		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	0.200	0.1544		mg/Kg		77	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-60815/1-A

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.07929		mg/Kg		79	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-60815/2-A

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60815

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1005		mg/Kg		101	70 - 130	10	35
Toluene	0.100	0.09490		mg/Kg		95	70 - 130	13	35
Ethylbenzene	0.100	0.08262		mg/Kg		83	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1763		mg/Kg		88	70 - 130	13	35
o-Xylene	0.100	0.08965		mg/Kg		90	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-31956-21 MS

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: BH-222 (5')

Prep Type: Total/NA

Prep Batch: 60815

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.08273		mg/Kg		83	70 - 130
Toluene	<0.00199	U	0.0996	0.08288		mg/Kg		83	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.07423		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1596		mg/Kg		80	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08050		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-31956-21 MSD

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: BH-222 (5')

Prep Type: Total/NA

Prep Batch: 60815

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0992	0.1032		mg/Kg		104	70 - 130	22	35
Toluene	<0.00199	U	0.0992	0.09759		mg/Kg		98	70 - 130	16	35
Ethylbenzene	<0.00199	U	0.0992	0.08352		mg/Kg		84	70 - 130	12	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1753		mg/Kg		88	70 - 130	9	35
o-Xylene	<0.00199	U	0.0992	0.08814		mg/Kg		89	70 - 130	9	35

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-31956-21 MSD

Matrix: Solid

Analysis Batch: 60646

Client Sample ID: BH-222 (5')

Prep Type: Total/NA

Prep Batch: 60815

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-60592/1-A

Matrix: Solid

Analysis Batch: 60635

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60592

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/23 17:58	08/21/23 07:55	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 17:58	08/21/23 07:55	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 17:58	08/21/23 07:55	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	175	S1+	70 - 130				08/18/23 17:58	08/21/23 07:55	1	
o-Terphenyl	161	S1+	70 - 130				08/18/23 17:58	08/21/23 07:55	1	

Lab Sample ID: LCS 880-60592/2-A

Matrix: Solid

Analysis Batch: 60635

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60592

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1070		mg/Kg		107		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1016		mg/Kg		102		70 - 130		
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	124		70 - 130							
o-Terphenyl	109		70 - 130							

Lab Sample ID: LCSD 880-60592/3-A

Matrix: Solid

Analysis Batch: 60635

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60592

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	906.3		mg/Kg		91		70 - 130	17	20
Diesel Range Organics (Over C10-C28)	1000	880.3		mg/Kg		88		70 - 130	14	20
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	118		70 - 130							
o-Terphenyl	102		70 - 130							

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-31956-1 MS

Matrix: Solid

Analysis Batch: 60635

Client Sample ID: BH-202 (5')

Prep Type: Total/NA

Prep Batch: 60592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	999.9		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	1333	F1	mg/Kg		133	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	148	S1+	70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: 880-31956-1 MSD

Matrix: Solid

Analysis Batch: 60635

Client Sample ID: BH-202 (5')

Prep Type: Total/NA

Prep Batch: 60592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	911.9		mg/Kg		90	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	1257		mg/Kg		126	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	140	S1+	70 - 130								
o-Terphenyl	111		70 - 130								

Lab Sample ID: MB 880-60593/1-A

Matrix: Solid

Analysis Batch: 60630

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60593

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		08/18/23 18:02	08/20/23 08:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 18:02	08/20/23 08:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 18:02	08/20/23 08:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				08/18/23 18:02	08/20/23 08:03	1
o-Terphenyl	161	S1+	70 - 130				08/18/23 18:02	08/20/23 08:03	1

Lab Sample ID: LCS 880-60593/2-A

Matrix: Solid

Analysis Batch: 60630

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	945.9		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	798.5		mg/Kg		80	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-60593/2-A

Matrix: Solid

Analysis Batch: 60630

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60593

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: LCSD 880-60593/3-A

Matrix: Solid

Analysis Batch: 60630

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60593

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	961.2		mg/Kg		96	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	882.6		mg/Kg		88	70 - 130	10	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 880-31941-A-1-F MS

Matrix: Solid

Analysis Batch: 60630

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 60593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	827.2		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	1029		mg/Kg		100	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: 880-31941-A-1-G MSD

Matrix: Solid

Analysis Batch: 60630

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 60593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	821.7		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	997	1011		mg/Kg		98	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	127		70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-60603/1-A

Matrix: Solid

Analysis Batch: 60642

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60603

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		08/18/23 18:06	08/21/23 07:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 18:06	08/21/23 07:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 18:06	08/21/23 07:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/18/23 18:06	08/21/23 07:40	1
o-Terphenyl	151	S1+	70 - 130				08/18/23 18:06	08/21/23 07:40	1

Lab Sample ID: LCS 880-60603/2-A

Matrix: Solid

Analysis Batch: 60642

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	820.0		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	894.2		mg/Kg		89	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	94		70 - 130				
o-Terphenyl	103		70 - 130				

Lab Sample ID: LCSD 880-60603/3-A

Matrix: Solid

Analysis Batch: 60642

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60603

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	846.2		mg/Kg		85	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	915.7		mg/Kg		92	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	107		70 - 130						

Lab Sample ID: 880-31901-A-1-C MS

Matrix: Solid

Analysis Batch: 60642

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 60603

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1000	742.2		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	234	F1	1000	805.3	F1	mg/Kg		57	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-31901-A-1-C MS

Matrix: Solid

Analysis Batch: 60642

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 60603

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-31901-A-1-D MSD

Matrix: Solid

Analysis Batch: 60642

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 60603

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1000	759.8		mg/Kg		73	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	234	F1	1000	785.0	F1	mg/Kg		55	70 - 130	3	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	94		70 - 130									
o-Terphenyl	90		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59948/1-A

Matrix: Solid

Analysis Batch: 60060

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			08/12/23 19:55	1		

Lab Sample ID: LCS 880-59948/2-A

Matrix: Solid

Analysis Batch: 60060

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	267.1		mg/Kg		107	90 - 110			

Lab Sample ID: LCSD 880-59948/3-A

Matrix: Solid

Analysis Batch: 60060

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Chloride	250	267.1		mg/Kg		107	90 - 110	0	20		

Lab Sample ID: 880-31956-1 MS

Matrix: Solid

Analysis Batch: 60060

Client Sample ID: BH-202 (5')

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	952	F1	251	1148	F1	mg/Kg		78	90 - 110		

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-31956-1 MSD

Matrix: Solid

Analysis Batch: 60060

Client Sample ID: BH-202 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	952	F1	251	1149	F1	mg/Kg		78	90 - 110	0	20

Lab Sample ID: 880-31956-11 MS

Matrix: Solid

Analysis Batch: 60060

Client Sample ID: BH-212 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1100		252	1328	4	mg/Kg		90	90 - 110		

Lab Sample ID: 880-31956-11 MSD

Matrix: Solid

Analysis Batch: 60060

Client Sample ID: BH-212 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1100		252	1322	4	mg/Kg		88	90 - 110	0	20

Lab Sample ID: MB 880-59949/1-A

Matrix: Solid

Analysis Batch: 60061

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			08/13/23 01:58	1

Lab Sample ID: LCS 880-59949/2-A

Matrix: Solid

Analysis Batch: 60061

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	270.2		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-59949/3-A

Matrix: Solid

Analysis Batch: 60061

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	270.9		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-31956-21 MS

Matrix: Solid

Analysis Batch: 60061

Client Sample ID: BH-222 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	47.3	F1	249	328.3	F1	mg/Kg		113	90 - 110		

Lab Sample ID: 880-31956-21 MSD

Matrix: Solid

Analysis Batch: 60061

Client Sample ID: BH-222 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	47.3	F1	249	329.2	F1	mg/Kg		113	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-31956-31 MS										Client Sample ID: SW-57		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 60061												
	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	387		249	631.7		mg/Kg		98	90 - 110			

Lab Sample ID: 880-31956-31 MSD										Client Sample ID: SW-57		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 60061												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	387		249	630.8		mg/Kg		98	90 - 110	0	20	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 60646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-1	BH-202 (5')	Total/NA	Solid	8021B	60812
880-31956-2	BH-203 (5')	Total/NA	Solid	8021B	60812
880-31956-3	BH-204 (5')	Total/NA	Solid	8021B	60812
880-31956-4	BH-205 (5')	Total/NA	Solid	8021B	60812
880-31956-5	BH-206 (5')	Total/NA	Solid	8021B	60812
880-31956-6	BH-207 (5')	Total/NA	Solid	8021B	60812
880-31956-7	BH-208 (5')	Total/NA	Solid	8021B	60812
880-31956-8	BH-209 (5')	Total/NA	Solid	8021B	60812
880-31956-9	BH-210 (5')	Total/NA	Solid	8021B	60812
880-31956-10	BH-211 (5')	Total/NA	Solid	8021B	60812
880-31956-11	BH-212 (5')	Total/NA	Solid	8021B	60812
880-31956-12	BH-213 (5')	Total/NA	Solid	8021B	60812
880-31956-13	BH-214 (5')	Total/NA	Solid	8021B	60812
880-31956-14	BH-215 (5')	Total/NA	Solid	8021B	60812
880-31956-15	BH-216 (5')	Total/NA	Solid	8021B	60812
880-31956-16	BH-217 (2')	Total/NA	Solid	8021B	60812
880-31956-17	BH-218 (2')	Total/NA	Solid	8021B	60812
880-31956-18	BH-219 (2')	Total/NA	Solid	8021B	60812
880-31956-19	BH-220 (5')	Total/NA	Solid	8021B	60812
880-31956-20	BH-221 (5')	Total/NA	Solid	8021B	60812
880-31956-21	BH-222 (5')	Total/NA	Solid	8021B	60815
880-31956-22	BH-223 (4')	Total/NA	Solid	8021B	60815
880-31956-23	BH-224 (4')	Total/NA	Solid	8021B	60815
880-31956-24	BH-225 (4')	Total/NA	Solid	8021B	60815
880-31956-25	BH-226 (4')	Total/NA	Solid	8021B	60815
880-31956-26	BH-227 (3')	Total/NA	Solid	8021B	60815
880-31956-27	BH-228 (3')	Total/NA	Solid	8021B	60815
880-31956-28	BH-229 (3')	Total/NA	Solid	8021B	60815
880-31956-29	BH-230 (3')	Total/NA	Solid	8021B	60815
880-31956-30	SW-56	Total/NA	Solid	8021B	60815
880-31956-31	SW-57	Total/NA	Solid	8021B	60815
880-31956-32	SW-58	Total/NA	Solid	8021B	60815
880-31956-33	SW-35	Total/NA	Solid	8021B	60815
MB 880-60812/5-A	Method Blank	Total/NA	Solid	8021B	60812
MB 880-60815/5-A	Method Blank	Total/NA	Solid	8021B	60815
LCS 880-60812/1-A	Lab Control Sample	Total/NA	Solid	8021B	60812
LCS 880-60815/1-A	Lab Control Sample	Total/NA	Solid	8021B	60815
LCSD 880-60812/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60812
LCSD 880-60815/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60815
880-31956-1 MS	BH-202 (5')	Total/NA	Solid	8021B	60812
880-31956-1 MSD	BH-202 (5')	Total/NA	Solid	8021B	60812
880-31956-21 MS	BH-222 (5')	Total/NA	Solid	8021B	60815
880-31956-21 MSD	BH-222 (5')	Total/NA	Solid	8021B	60815

Prep Batch: 60812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-1	BH-202 (5')	Total/NA	Solid	5035	
880-31956-2	BH-203 (5')	Total/NA	Solid	5035	
880-31956-3	BH-204 (5')	Total/NA	Solid	5035	
880-31956-4	BH-205 (5')	Total/NA	Solid	5035	
880-31956-5	BH-206 (5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 60812 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-6	BH-207 (5')	Total/NA	Solid	5035	
880-31956-7	BH-208 (5')	Total/NA	Solid	5035	
880-31956-8	BH-209 (5')	Total/NA	Solid	5035	
880-31956-9	BH-210 (5')	Total/NA	Solid	5035	
880-31956-10	BH-211 (5')	Total/NA	Solid	5035	
880-31956-11	BH-212 (5')	Total/NA	Solid	5035	
880-31956-12	BH-213 (5')	Total/NA	Solid	5035	
880-31956-13	BH-214 (5')	Total/NA	Solid	5035	
880-31956-14	BH-215 (5')	Total/NA	Solid	5035	
880-31956-15	BH-216 (5')	Total/NA	Solid	5035	
880-31956-16	BH-217 (2')	Total/NA	Solid	5035	
880-31956-17	BH-218 (2')	Total/NA	Solid	5035	
880-31956-18	BH-219 (2')	Total/NA	Solid	5035	
880-31956-19	BH-220 (5')	Total/NA	Solid	5035	
880-31956-20	BH-221 (5')	Total/NA	Solid	5035	
MB 880-60812/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60812/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60812/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31956-1 MS	BH-202 (5')	Total/NA	Solid	5035	
880-31956-1 MSD	BH-202 (5')	Total/NA	Solid	5035	

Prep Batch: 60815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-21	BH-222 (5')	Total/NA	Solid	5035	
880-31956-22	BH-223 (4')	Total/NA	Solid	5035	
880-31956-23	BH-224 (4')	Total/NA	Solid	5035	
880-31956-24	BH-225 (4')	Total/NA	Solid	5035	
880-31956-25	BH-226 (4')	Total/NA	Solid	5035	
880-31956-26	BH-227 (3')	Total/NA	Solid	5035	
880-31956-27	BH-228 (3')	Total/NA	Solid	5035	
880-31956-28	BH-229 (3')	Total/NA	Solid	5035	
880-31956-29	BH-230 (3')	Total/NA	Solid	5035	
880-31956-30	SW-56	Total/NA	Solid	5035	
880-31956-31	SW-57	Total/NA	Solid	5035	
880-31956-32	SW-58	Total/NA	Solid	5035	
880-31956-33	SW-35	Total/NA	Solid	5035	
MB 880-60815/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60815/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60815/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31956-21 MS	BH-222 (5')	Total/NA	Solid	5035	
880-31956-21 MSD	BH-222 (5')	Total/NA	Solid	5035	

Analysis Batch: 60907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-1	BH-202 (5')	Total/NA	Solid	Total BTEX	
880-31956-2	BH-203 (5')	Total/NA	Solid	Total BTEX	
880-31956-3	BH-204 (5')	Total/NA	Solid	Total BTEX	
880-31956-4	BH-205 (5')	Total/NA	Solid	Total BTEX	
880-31956-5	BH-206 (5')	Total/NA	Solid	Total BTEX	
880-31956-6	BH-207 (5')	Total/NA	Solid	Total BTEX	
880-31956-7	BH-208 (5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 880-31956-1

Project/Site: Bronco Revelation Pond Water Release

SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 60907 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-8	BH-209 (5')	Total/NA	Solid	Total BTEX	
880-31956-9	BH-210 (5')	Total/NA	Solid	Total BTEX	
880-31956-10	BH-211 (5')	Total/NA	Solid	Total BTEX	
880-31956-11	BH-212 (5')	Total/NA	Solid	Total BTEX	
880-31956-12	BH-213 (5')	Total/NA	Solid	Total BTEX	
880-31956-13	BH-214 (5')	Total/NA	Solid	Total BTEX	
880-31956-14	BH-215 (5')	Total/NA	Solid	Total BTEX	
880-31956-15	BH-216 (5')	Total/NA	Solid	Total BTEX	
880-31956-16	BH-217 (2')	Total/NA	Solid	Total BTEX	
880-31956-17	BH-218 (2')	Total/NA	Solid	Total BTEX	
880-31956-18	BH-219 (2')	Total/NA	Solid	Total BTEX	
880-31956-19	BH-220 (5')	Total/NA	Solid	Total BTEX	
880-31956-20	BH-221 (5')	Total/NA	Solid	Total BTEX	
880-31956-21	BH-222 (5')	Total/NA	Solid	Total BTEX	
880-31956-22	BH-223 (4')	Total/NA	Solid	Total BTEX	
880-31956-23	BH-224 (4')	Total/NA	Solid	Total BTEX	
880-31956-24	BH-225 (4')	Total/NA	Solid	Total BTEX	
880-31956-25	BH-226 (4')	Total/NA	Solid	Total BTEX	
880-31956-26	BH-227 (3')	Total/NA	Solid	Total BTEX	
880-31956-27	BH-228 (3')	Total/NA	Solid	Total BTEX	
880-31956-28	BH-229 (3')	Total/NA	Solid	Total BTEX	
880-31956-29	BH-230 (3')	Total/NA	Solid	Total BTEX	
880-31956-30	SW-56	Total/NA	Solid	Total BTEX	
880-31956-31	SW-57	Total/NA	Solid	Total BTEX	
880-31956-32	SW-58	Total/NA	Solid	Total BTEX	
880-31956-33	SW-35	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-1	BH-202 (5')	Total/NA	Solid	8015NM Prep	
880-31956-2	BH-203 (5')	Total/NA	Solid	8015NM Prep	
880-31956-3	BH-204 (5')	Total/NA	Solid	8015NM Prep	
880-31956-4	BH-205 (5')	Total/NA	Solid	8015NM Prep	
880-31956-5	BH-206 (5')	Total/NA	Solid	8015NM Prep	
880-31956-6	BH-207 (5')	Total/NA	Solid	8015NM Prep	
880-31956-7	BH-208 (5')	Total/NA	Solid	8015NM Prep	
880-31956-8	BH-209 (5')	Total/NA	Solid	8015NM Prep	
880-31956-9	BH-210 (5')	Total/NA	Solid	8015NM Prep	
880-31956-10	BH-211 (5')	Total/NA	Solid	8015NM Prep	
880-31956-11	BH-212 (5')	Total/NA	Solid	8015NM Prep	
880-31956-12	BH-213 (5')	Total/NA	Solid	8015NM Prep	
880-31956-13	BH-214 (5')	Total/NA	Solid	8015NM Prep	
880-31956-14	BH-215 (5')	Total/NA	Solid	8015NM Prep	
880-31956-15	BH-216 (5')	Total/NA	Solid	8015NM Prep	
880-31956-16	BH-217 (2')	Total/NA	Solid	8015NM Prep	
880-31956-17	BH-218 (2')	Total/NA	Solid	8015NM Prep	
880-31956-18	BH-219 (2')	Total/NA	Solid	8015NM Prep	
880-31956-19	BH-220 (5')	Total/NA	Solid	8015NM Prep	
880-31956-20	BH-221 (5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 60592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60592/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60592/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60592/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31956-1 MS	BH-202 (5')	Total/NA	Solid	8015NM Prep	
880-31956-1 MSD	BH-202 (5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 60593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-21	BH-222 (5')	Total/NA	Solid	8015NM Prep	
880-31956-22	BH-223 (4')	Total/NA	Solid	8015NM Prep	
880-31956-23	BH-224 (4')	Total/NA	Solid	8015NM Prep	
880-31956-24	BH-225 (4')	Total/NA	Solid	8015NM Prep	
880-31956-25	BH-226 (4')	Total/NA	Solid	8015NM Prep	
880-31956-26	BH-227 (3')	Total/NA	Solid	8015NM Prep	
880-31956-27	BH-228 (3')	Total/NA	Solid	8015NM Prep	
880-31956-28	BH-229 (3')	Total/NA	Solid	8015NM Prep	
880-31956-29	BH-230 (3')	Total/NA	Solid	8015NM Prep	
880-31956-30	SW-56	Total/NA	Solid	8015NM Prep	
MB 880-60593/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60593/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60593/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31941-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-31941-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 60603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-31	SW-57	Total/NA	Solid	8015NM Prep	
880-31956-32	SW-58	Total/NA	Solid	8015NM Prep	
880-31956-33	SW-35	Total/NA	Solid	8015NM Prep	
MB 880-60603/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60603/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60603/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31901-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-31901-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-21	BH-222 (5')	Total/NA	Solid	8015B NM	60593
880-31956-22	BH-223 (4')	Total/NA	Solid	8015B NM	60593
880-31956-23	BH-224 (4')	Total/NA	Solid	8015B NM	60593
880-31956-24	BH-225 (4')	Total/NA	Solid	8015B NM	60593
880-31956-25	BH-226 (4')	Total/NA	Solid	8015B NM	60593
880-31956-26	BH-227 (3')	Total/NA	Solid	8015B NM	60593
880-31956-27	BH-228 (3')	Total/NA	Solid	8015B NM	60593
880-31956-28	BH-229 (3')	Total/NA	Solid	8015B NM	60593
880-31956-29	BH-230 (3')	Total/NA	Solid	8015B NM	60593
880-31956-30	SW-56	Total/NA	Solid	8015B NM	60593
MB 880-60593/1-A	Method Blank	Total/NA	Solid	8015B NM	60593
LCS 880-60593/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60593
LCSD 880-60593/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60593
880-31941-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	60593

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 60630 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31941-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60593

Analysis Batch: 60635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-1	BH-202 (5')	Total/NA	Solid	8015B NM	60592
880-31956-2	BH-203 (5')	Total/NA	Solid	8015B NM	60592
880-31956-3	BH-204 (5')	Total/NA	Solid	8015B NM	60592
880-31956-4	BH-205 (5')	Total/NA	Solid	8015B NM	60592
880-31956-5	BH-206 (5')	Total/NA	Solid	8015B NM	60592
880-31956-6	BH-207 (5')	Total/NA	Solid	8015B NM	60592
880-31956-7	BH-208 (5')	Total/NA	Solid	8015B NM	60592
880-31956-8	BH-209 (5')	Total/NA	Solid	8015B NM	60592
880-31956-9	BH-210 (5')	Total/NA	Solid	8015B NM	60592
880-31956-10	BH-211 (5')	Total/NA	Solid	8015B NM	60592
880-31956-11	BH-212 (5')	Total/NA	Solid	8015B NM	60592
880-31956-12	BH-213 (5')	Total/NA	Solid	8015B NM	60592
880-31956-13	BH-214 (5')	Total/NA	Solid	8015B NM	60592
880-31956-14	BH-215 (5')	Total/NA	Solid	8015B NM	60592
880-31956-15	BH-216 (5')	Total/NA	Solid	8015B NM	60592
880-31956-16	BH-217 (2')	Total/NA	Solid	8015B NM	60592
880-31956-17	BH-218 (2')	Total/NA	Solid	8015B NM	60592
880-31956-18	BH-219 (2')	Total/NA	Solid	8015B NM	60592
880-31956-19	BH-220 (5')	Total/NA	Solid	8015B NM	60592
880-31956-20	BH-221 (5')	Total/NA	Solid	8015B NM	60592
MB 880-60592/1-A	Method Blank	Total/NA	Solid	8015B NM	60592
LCS 880-60592/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60592
LCSD 880-60592/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60592
880-31956-1 MS	BH-202 (5')	Total/NA	Solid	8015B NM	60592
880-31956-1 MSD	BH-202 (5')	Total/NA	Solid	8015B NM	60592

Analysis Batch: 60642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-31	SW-57	Total/NA	Solid	8015B NM	60603
880-31956-32	SW-58	Total/NA	Solid	8015B NM	60603
880-31956-33	SW-35	Total/NA	Solid	8015B NM	60603
MB 880-60603/1-A	Method Blank	Total/NA	Solid	8015B NM	60603
LCS 880-60603/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60603
LCSD 880-60603/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60603
880-31901-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	60603
880-31901-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60603

Analysis Batch: 60746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-1	BH-202 (5')	Total/NA	Solid	8015 NM	
880-31956-2	BH-203 (5')	Total/NA	Solid	8015 NM	
880-31956-3	BH-204 (5')	Total/NA	Solid	8015 NM	
880-31956-4	BH-205 (5')	Total/NA	Solid	8015 NM	
880-31956-5	BH-206 (5')	Total/NA	Solid	8015 NM	
880-31956-6	BH-207 (5')	Total/NA	Solid	8015 NM	
880-31956-7	BH-208 (5')	Total/NA	Solid	8015 NM	
880-31956-8	BH-209 (5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 880-31956-1

Project/Site: Bronco Revelation Pond Water Release

SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 60746 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-9	BH-210 (5')	Total/NA	Solid	8015 NM	
880-31956-10	BH-211 (5')	Total/NA	Solid	8015 NM	
880-31956-11	BH-212 (5')	Total/NA	Solid	8015 NM	
880-31956-12	BH-213 (5')	Total/NA	Solid	8015 NM	
880-31956-13	BH-214 (5')	Total/NA	Solid	8015 NM	
880-31956-14	BH-215 (5')	Total/NA	Solid	8015 NM	
880-31956-15	BH-216 (5')	Total/NA	Solid	8015 NM	
880-31956-16	BH-217 (2')	Total/NA	Solid	8015 NM	
880-31956-17	BH-218 (2')	Total/NA	Solid	8015 NM	
880-31956-18	BH-219 (2')	Total/NA	Solid	8015 NM	
880-31956-19	BH-220 (5')	Total/NA	Solid	8015 NM	
880-31956-20	BH-221 (5')	Total/NA	Solid	8015 NM	
880-31956-21	BH-222 (5')	Total/NA	Solid	8015 NM	
880-31956-22	BH-223 (4')	Total/NA	Solid	8015 NM	
880-31956-23	BH-224 (4')	Total/NA	Solid	8015 NM	
880-31956-24	BH-225 (4')	Total/NA	Solid	8015 NM	
880-31956-25	BH-226 (4')	Total/NA	Solid	8015 NM	
880-31956-26	BH-227 (3')	Total/NA	Solid	8015 NM	
880-31956-27	BH-228 (3')	Total/NA	Solid	8015 NM	
880-31956-28	BH-229 (3')	Total/NA	Solid	8015 NM	
880-31956-29	BH-230 (3')	Total/NA	Solid	8015 NM	
880-31956-30	SW-56	Total/NA	Solid	8015 NM	
880-31956-31	SW-57	Total/NA	Solid	8015 NM	
880-31956-32	SW-58	Total/NA	Solid	8015 NM	
880-31956-33	SW-35	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-1	BH-202 (5')	Soluble	Solid	DI Leach	
880-31956-2	BH-203 (5')	Soluble	Solid	DI Leach	
880-31956-3	BH-204 (5')	Soluble	Solid	DI Leach	
880-31956-4	BH-205 (5')	Soluble	Solid	DI Leach	
880-31956-5	BH-206 (5')	Soluble	Solid	DI Leach	
880-31956-6	BH-207 (5')	Soluble	Solid	DI Leach	
880-31956-7	BH-208 (5')	Soluble	Solid	DI Leach	
880-31956-8	BH-209 (5')	Soluble	Solid	DI Leach	
880-31956-9	BH-210 (5')	Soluble	Solid	DI Leach	
880-31956-10	BH-211 (5')	Soluble	Solid	DI Leach	
880-31956-11	BH-212 (5')	Soluble	Solid	DI Leach	
880-31956-12	BH-213 (5')	Soluble	Solid	DI Leach	
880-31956-13	BH-214 (5')	Soluble	Solid	DI Leach	
880-31956-14	BH-215 (5')	Soluble	Solid	DI Leach	
880-31956-15	BH-216 (5')	Soluble	Solid	DI Leach	
880-31956-16	BH-217 (2')	Soluble	Solid	DI Leach	
880-31956-17	BH-218 (2')	Soluble	Solid	DI Leach	
880-31956-18	BH-219 (2')	Soluble	Solid	DI Leach	
880-31956-19	BH-220 (5')	Soluble	Solid	DI Leach	
880-31956-20	BH-221 (5')	Soluble	Solid	DI Leach	
MB 880-59948/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 59948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-59948/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59948/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31956-1 MS	BH-202 (5')	Soluble	Solid	DI Leach	
880-31956-1 MSD	BH-202 (5')	Soluble	Solid	DI Leach	
880-31956-11 MS	BH-212 (5')	Soluble	Solid	DI Leach	
880-31956-11 MSD	BH-212 (5')	Soluble	Solid	DI Leach	

Leach Batch: 59949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-21	BH-222 (5')	Soluble	Solid	DI Leach	
880-31956-22	BH-223 (4')	Soluble	Solid	DI Leach	
880-31956-23	BH-224 (4')	Soluble	Solid	DI Leach	
880-31956-24	BH-225 (4')	Soluble	Solid	DI Leach	
880-31956-25	BH-226 (4')	Soluble	Solid	DI Leach	
880-31956-26	BH-227 (3')	Soluble	Solid	DI Leach	
880-31956-27	BH-228 (3')	Soluble	Solid	DI Leach	
880-31956-28	BH-229 (3')	Soluble	Solid	DI Leach	
880-31956-29	BH-230 (3')	Soluble	Solid	DI Leach	
880-31956-30	SW-56	Soluble	Solid	DI Leach	
880-31956-31	SW-57	Soluble	Solid	DI Leach	
880-31956-32	SW-58	Soluble	Solid	DI Leach	
880-31956-33	SW-35	Soluble	Solid	DI Leach	
MB 880-59949/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59949/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59949/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31956-21 MS	BH-222 (5')	Soluble	Solid	DI Leach	
880-31956-21 MSD	BH-222 (5')	Soluble	Solid	DI Leach	
880-31956-31 MS	SW-57	Soluble	Solid	DI Leach	
880-31956-31 MSD	SW-57	Soluble	Solid	DI Leach	

Analysis Batch: 60060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-1	BH-202 (5')	Soluble	Solid	300.0	59948
880-31956-2	BH-203 (5')	Soluble	Solid	300.0	59948
880-31956-3	BH-204 (5')	Soluble	Solid	300.0	59948
880-31956-4	BH-205 (5')	Soluble	Solid	300.0	59948
880-31956-5	BH-206 (5')	Soluble	Solid	300.0	59948
880-31956-6	BH-207 (5')	Soluble	Solid	300.0	59948
880-31956-7	BH-208 (5')	Soluble	Solid	300.0	59948
880-31956-8	BH-209 (5')	Soluble	Solid	300.0	59948
880-31956-9	BH-210 (5')	Soluble	Solid	300.0	59948
880-31956-10	BH-211 (5')	Soluble	Solid	300.0	59948
880-31956-11	BH-212 (5')	Soluble	Solid	300.0	59948
880-31956-12	BH-213 (5')	Soluble	Solid	300.0	59948
880-31956-13	BH-214 (5')	Soluble	Solid	300.0	59948
880-31956-14	BH-215 (5')	Soluble	Solid	300.0	59948
880-31956-15	BH-216 (5')	Soluble	Solid	300.0	59948
880-31956-16	BH-217 (2')	Soluble	Solid	300.0	59948
880-31956-17	BH-218 (2')	Soluble	Solid	300.0	59948
880-31956-18	BH-219 (2')	Soluble	Solid	300.0	59948
880-31956-19	BH-220 (5')	Soluble	Solid	300.0	59948

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 60060 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-20	BH-221 (5')	Soluble	Solid	300.0	59948
MB 880-59948/1-A	Method Blank	Soluble	Solid	300.0	59948
LCS 880-59948/2-A	Lab Control Sample	Soluble	Solid	300.0	59948
LCSD 880-59948/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59948
880-31956-1 MS	BH-202 (5')	Soluble	Solid	300.0	59948
880-31956-1 MSD	BH-202 (5')	Soluble	Solid	300.0	59948
880-31956-11 MS	BH-212 (5')	Soluble	Solid	300.0	59948
880-31956-11 MSD	BH-212 (5')	Soluble	Solid	300.0	59948

Analysis Batch: 60061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31956-21	BH-222 (5')	Soluble	Solid	300.0	59949
880-31956-22	BH-223 (4')	Soluble	Solid	300.0	59949
880-31956-23	BH-224 (4')	Soluble	Solid	300.0	59949
880-31956-24	BH-225 (4')	Soluble	Solid	300.0	59949
880-31956-25	BH-226 (4')	Soluble	Solid	300.0	59949
880-31956-26	BH-227 (3')	Soluble	Solid	300.0	59949
880-31956-27	BH-228 (3')	Soluble	Solid	300.0	59949
880-31956-28	BH-229 (3')	Soluble	Solid	300.0	59949
880-31956-29	BH-230 (3')	Soluble	Solid	300.0	59949
880-31956-30	SW-56	Soluble	Solid	300.0	59949
880-31956-31	SW-57	Soluble	Solid	300.0	59949
880-31956-32	SW-58	Soluble	Solid	300.0	59949
880-31956-33	SW-35	Soluble	Solid	300.0	59949
MB 880-59949/1-A	Method Blank	Soluble	Solid	300.0	59949
LCS 880-59949/2-A	Lab Control Sample	Soluble	Solid	300.0	59949
LCSD 880-59949/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59949
880-31956-21 MS	BH-222 (5')	Soluble	Solid	300.0	59949
880-31956-21 MSD	BH-222 (5')	Soluble	Solid	300.0	59949
880-31956-31 MS	SW-57	Soluble	Solid	300.0	59949
880-31956-31 MSD	SW-57	Soluble	Solid	300.0	59949

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-202 (5')

Lab Sample ID: 880-31956-1

Date Collected: 08/10/23 08:30

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 14:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 10:29	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/12/23 20:26	SMC	EET MID

Client Sample ID: BH-203 (5')

Lab Sample ID: 880-31956-2

Date Collected: 08/10/23 08:40

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 14:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 11:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60060	08/12/23 20:57	SMC	EET MID

Client Sample ID: BH-204 (5')

Lab Sample ID: 880-31956-3

Date Collected: 08/10/23 08:50

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 15:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 11:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60060	08/12/23 21:07	SMC	EET MID

Client Sample ID: BH-205 (5')

Lab Sample ID: 880-31956-4

Date Collected: 08/10/23 09:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 15:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-205 (5')

Lab Sample ID: 880-31956-4

Date Collected: 08/10/23 09:00

Matrix: Solid

Date Received: 08/11/23 11:00

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			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 12:19	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/12/23 21:18	SMC	EET MID

Client Sample ID: BH-206 (5')

Lab Sample ID: 880-31956-5

Date Collected: 08/10/23 09:10

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 15:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 12:41	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60060	08/12/23 21:28	SMC	EET MID

Client Sample ID: BH-207 (5')

Lab Sample ID: 880-31956-6

Date Collected: 08/10/23 09:20

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 16:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 13:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60060	08/12/23 21:59	SMC	EET MID

Client Sample ID: BH-208 (5')

Lab Sample ID: 880-31956-7

Date Collected: 08/10/23 09:30

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 16:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 13:24	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-208 (5')

Lab Sample ID: 880-31956-7

Date Collected: 08/10/23 09:30

Matrix: Solid

Date Received: 08/11/23 11:00

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	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/12/23 22:10	SMC	EET MID

Client Sample ID: BH-209 (5')

Lab Sample ID: 880-31956-8

Date Collected: 08/10/23 09:40

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 16:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 13:46	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/12/23 22:20	SMC	EET MID

Client Sample ID: BH-210 (5')

Lab Sample ID: 880-31956-9

Date Collected: 08/10/23 09:50

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 17:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 14:08	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/12/23 22:30	SMC	EET MID

Client Sample ID: BH-211 (5')

Lab Sample ID: 880-31956-10

Date Collected: 08/10/23 10:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 17:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 14:31	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60060	08/13/23 14:24	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-212 (5')

Lab Sample ID: 880-31956-11

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 19:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 15:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/13/23 14:35	SMC	EET MID

Client Sample ID: BH-213 (5')

Lab Sample ID: 880-31956-12

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 19:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 15:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/12/23 23:22	SMC	EET MID

Client Sample ID: BH-214 (5')

Lab Sample ID: 880-31956-13

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 19:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 15:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60060	08/12/23 23:32	SMC	EET MID

Client Sample ID: BH-215 (5')

Lab Sample ID: 880-31956-14

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 20:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-215 (5')

Lab Sample ID: 880-31956-14

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

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			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 16:20	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/13/23 00:04	SMC	EET MID

Client Sample ID: BH-216 (5')

Lab Sample ID: 880-31956-15

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 20:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 16:42	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/13/23 00:14	SMC	EET MID

Client Sample ID: BH-217 (2')

Lab Sample ID: 880-31956-16

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 20:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 17:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/13/23 00:24	SMC	EET MID

Client Sample ID: BH-218 (2')

Lab Sample ID: 880-31956-17

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 21:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 17:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-218 (2')

Lab Sample ID: 880-31956-17

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

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	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/13/23 00:35	SMC	EET MID

Client Sample ID: BH-219 (2')

Lab Sample ID: 880-31956-18

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 21:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 17:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/13/23 00:45	SMC	EET MID

Client Sample ID: BH-220 (5')

Lab Sample ID: 880-31956-19

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 21:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 18:10	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/13/23 00:55	SMC	EET MID

Client Sample ID: BH-221 (5')

Lab Sample ID: 880-31956-20

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60812	08/22/23 10:56	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/22/23 22:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60592	08/18/23 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60635	08/21/23 18:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59948	08/11/23 13:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60060	08/13/23 01:06	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-222 (5')

Lab Sample ID: 880-31956-21

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 01:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 15:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 02:29	SMC	EET MID

Client Sample ID: BH-223 (4')

Lab Sample ID: 880-31956-22

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 01:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 15:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 04:33	SMC	EET MID

Client Sample ID: BH-224 (4')

Lab Sample ID: 880-31956-23

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 01:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 16:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 03:00	SMC	EET MID

Client Sample ID: BH-225 (4')

Lab Sample ID: 880-31956-24

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 02:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-225 (4')

Lab Sample ID: 880-31956-24

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

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			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 03:10	SMC	EET MID

Client Sample ID: BH-226 (4')

Lab Sample ID: 880-31956-25

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 02:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 16:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 03:21	SMC	EET MID

Client Sample ID: BH-227 (3')

Lab Sample ID: 880-31956-26

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 02:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 17:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 03:31	SMC	EET MID

Client Sample ID: BH-228 (3')

Lab Sample ID: 880-31956-27

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 03:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 17:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: BH-228 (3')

Lab Sample ID: 880-31956-27

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

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	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 04:02	SMC	EET MID

Client Sample ID: BH-229 (3')

Lab Sample ID: 880-31956-28

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 03:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 18:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 04:12	SMC	EET MID

Client Sample ID: BH-230 (3')

Lab Sample ID: 880-31956-29

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 04:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 18:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 04:23	SMC	EET MID

Client Sample ID: SW-56

Lab Sample ID: 880-31956-30

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 04:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60593	08/18/23 18:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/20/23 18:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 04:43	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Client Sample ID: SW-57

Lab Sample ID: 880-31956-31

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 05:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60603	08/18/23 18:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60642	08/21/23 18:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 04:54	SMC	EET MID

Client Sample ID: SW-58

Lab Sample ID: 880-31956-32

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 06:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60603	08/18/23 18:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60642	08/21/23 18:33	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60061	08/13/23 05:25	SMC	EET MID

Client Sample ID: SW-35

Lab Sample ID: 880-31956-33

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	60815	08/22/23 11:07	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60646	08/23/23 06:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60907	08/23/23 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60746	08/22/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	60603	08/18/23 18:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60642	08/21/23 18:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59949	08/11/23 13:54	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	60061	08/13/23 05:35	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Revelation Pond Water Release

Job ID: 880-31956-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech, Inc.

Job ID: 880-31956-1

Project/Site: Bronco Revelation Pond Water Release

SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31956-1	BH-202 (5')	Solid	08/10/23 08:30	08/11/23 11:00
880-31956-2	BH-203 (5')	Solid	08/10/23 08:40	08/11/23 11:00
880-31956-3	BH-204 (5')	Solid	08/10/23 08:50	08/11/23 11:00
880-31956-4	BH-205 (5')	Solid	08/10/23 09:00	08/11/23 11:00
880-31956-5	BH-206 (5')	Solid	08/10/23 09:10	08/11/23 11:00
880-31956-6	BH-207 (5')	Solid	08/10/23 09:20	08/11/23 11:00
880-31956-7	BH-208 (5')	Solid	08/10/23 09:30	08/11/23 11:00
880-31956-8	BH-209 (5')	Solid	08/10/23 09:40	08/11/23 11:00
880-31956-9	BH-210 (5')	Solid	08/10/23 09:50	08/11/23 11:00
880-31956-10	BH-211 (5')	Solid	08/10/23 10:00	08/11/23 11:00
880-31956-11	BH-212 (5')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-12	BH-213 (5')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-13	BH-214 (5')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-14	BH-215 (5')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-15	BH-216 (5')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-16	BH-217 (2')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-17	BH-218 (2')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-18	BH-219 (2')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-19	BH-220 (5')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-20	BH-221 (5')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-21	BH-222 (5')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-22	BH-223 (4')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-23	BH-224 (4')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-24	BH-225 (4')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-25	BH-226 (4')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-26	BH-227 (3')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-27	BH-228 (3')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-28	BH-229 (3')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-29	BH-230 (3')	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-30	SW-56	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-31	SW-57	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-32	SW-58	Solid	08/10/23 00:00	08/11/23 11:00
880-31956-33	SW-35	Solid	08/10/23 00:00	08/11/23 11:00

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946



880-31956 Chain of Custody

Client Name: Solaris Midstream		Site Manager: Brittany Long							
Project Name: Bronco Revelation Pond Water Release		Contact Info: brittany.long@tetratech.com							
Project Location (county, state): Lea County, NM		Project #: 212C-MD-02820							
Invoice to: Rob Kirk									
Receiving Laboratory: Eurofins Xenco Laboratories		Sampler Signature: Ivan Ramos							
Comments:									
LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)		
		YEAR	DATE					TIME	
	BH-202 (5)		8/10/2023	8:30	X		1		
	BH-203 (5)		8/10/2023	8:40	X		1		
	BH-204 (5)		8/10/2023	8:50	X		1		
	BH-205 (5)		8/10/2023	9:00	X		1		
	BH-206 (5)		8/10/2023	9:10	X		1		
	BH-207 (5)		8/10/2023	9:20	X		1		
	BH-208 (5)		8/10/2023	9:30	X		1		
	BH-209 (5)		8/10/2023	9:40	X		1		
	BH-210 (5)		8/10/2023	9:50	X		1		
	BH-211 (5)		8/10/2023	10:00	X		1		
Relinquished by: <i>John Ramirez</i> 8-11-23		Received by: <i>[Signature]</i> 8/11/23				Date: 8/11/23		Time: 1000	
Relinquished by:		Received by:				Date:		Time:	
Relinquished by:		Received by:				Date:		Time:	

ANALYSIS REQUEST (Circle or Specify Method No.)

- BTEX 8021B
- TPH TX1005 (Ext to C35)
- TPH 8015M (GRO - DRO ORO)
- 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
- Asbestos

Hold

LAB USE ONLY

REMARKS
Standard

- ☐ RUSH Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Page 25 of



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

3/10/2024

8/23/2023

Client Name	Solaris Midstream			Site Manager	Brittany Long		
Project Name	Bronco Revelation Pond Water Release			Contact Info	brittany.long@tetratech.com		
Project Location (county, state)	Lea County, NM			Project #	212C-MD-02820		
Invoice to	Rob Kirk						
Receiving Laboratory	Eurofins Xenco Laboratories			Sampler Signature	Ivan Ramos		
Comments							
LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)
		YEAR	DATE				
	BH-212 (5)	8/10/2023	10.10	X		1	
	BH-213 (5)	8/10/2023	10.20	X		1	
	BH-214 (5)	8/10/2023	10.30	X		1	
	BH-215 (5)	8/10/2023	10.40	X		1	
	BH-216 (5)	8/10/2023	10.50	X		1	
	BH-217 (2)	8/10/2023	11:00	X		1	
	BH-218 (2)	8/10/2023	11.10	X		1	
	BH-219 (2)	8/10/2023	11.20	X		1	
	BH-220 (5)	8/10/2023	11.30	X		1	
	BH-221 (5)	8/10/2023	11.40	X		1	
Relinquished by	Date	Time	Received by	Date	Time		
Cham Ramon	8-11-23		[Signature]	8/11/23	1100		
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	
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO DRO ORO)	
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	
Asbestos	

Hold

LAB USE ONLY

REMARKS

- ☐ RUSH Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

Analysis Request of Chain of Custody Record

Page 7 of 10

Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 582-4559
Fax (432) 582-3946

3/19/20

Client Name		Solaris Midstream		Site Manager		Brittany Long													
Project Name		Bronco Revelation Pond Water Release		Contact Info		brittany.long@tetratech.com													
Project Location (county, state)		Lea County, NM		Project #		212C-MD-02820													
Invoice to		Rob Kirk																	
Receiving Laboratory		Eurofins Xenco Laboratories		Sampler Signature		Ivan Ramos													
Comments:																			
LAB # (LAB USE ONLY)		SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS		FILTERED (Y/N)							
				YEAR															
				DATE		TIME		WATER		SOIL		HCL		HNO ₃		ICE			
		BH-222 (5)				11.50		X		X		X		X		1		1	
		BH-223 (4)				12.00		X		X		X		X		X		1	
		BH-224 (4)				12.10		X		X		X		X		X		1	
		BH-225 (4)				12.20		X		X		X		X		X		1	
		BH-226 (4)				12.30		X		X		X		X		X		1	
		BH-227 (3)				12.40		X		X		X		X		X		1	
		BH-228 (3)				12.50		X		X		X		X		X		1	
		BH-229 (3)				13.00		X		X		X		X		X		1	
		BH-230 (3)				13.10		X		X		X		X		X		1	
		SW-56				13.20		X		X		X		X		X		1	
Relinquished by:		Date		Time		Received by:		Date		Time		LAB USE ONLY		REMARKS					
CARTER		8-11-23				Ivan		8/11/23		1100		Standard							
Relinquished by:		Date		Time		Received by:		Date		Time		LAB USE ONLY		REMARKS					
Relinquished by:		Date		Time		Received by:		Date		Time		LAB USE ONLY		REMARKS					
Relinquished by:		Date		Time		Received by:		Date		Time		LAB USE ONLY		REMARKS					

(Circle) HAND DELIVERED FEDEX UPS Tracking #

LAB USE ONLY

REMARKS

Standard

RUSH Same Day 24 hr 48 hr 72 hr

Push Charges Authorized

Special Report Limits or TRRP Report

ANALYSIS REQUEST

(Circle or Specify Method No.)

BTEX 8021B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO DRO ORO)

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

Asbestos

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page

Loc: 880
31956

[illegible]

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-31956-1

SDG Number: Lea County, NM

Login Number: 31956

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	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 24, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO REVELATION POND RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/18/23 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/18/2023	Sampling Date:	08/18/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 39 (H234518-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.93	96.4	2.00	2.49	
Toluene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	9.97	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	3.03	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.07	101	6.00	3.03	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/23/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 42 (H234518-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.93	96.4	2.00	2.49		
Toluene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	9.97		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	3.03		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.07	101	6.00	3.03		
Total BTEx	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 50 (H234518-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.93	96.4	2.00	2.49		
Toluene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	9.97		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	3.03		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.07	101	6.00	3.03		
Total BTEx	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/23/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 51 (H234518-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	08/18/2023	Sampling Date:	08/18/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION POND RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 52 (H234518-05)

BTEx 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29		
Total BTEX	<0.300	0.300	08/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88		
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43		
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND						

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 37 (H234518-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 38 (H234518-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29	
Total BTEx	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 227 (4') (H234518-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29		
Total BTEX	<0.300	0.300	08/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 228 (4') (H234518-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29		
Total BTEX	<0.300	0.300	08/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 08/18/2023
Reported: 08/24/2023
Project Name: BRONCO REVELATION POND RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 229 (4') (H234518-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	ND	2.01	100	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2023	ND	2.02	101	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.97	98.7	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.97	99.6	6.00	1.29		
Total BTEX	<0.300	0.300	08/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/23/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Tetra Tech		BILL TO		ANALYSIS REQUEST		
Project Manager: Brittany Long		P.O. #:				
Address: 901 W. Wall St		Company: Solaris Midstream				
City: Midland		Attn: Rob Kird				
State: TX Zip: 79701		Address:				
Phone #:		City:				
Fax #:		State:				
Project #: 212C-MD-02820 Project Owner:		Zip:				
Project Name: Bracco Revelation Pond Release		Phone #:				
Project Location: Lea County, NM		Fax #:				
Sampler Name: Ivan Ramos						
FOR LAB USE ONLY						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING
H234518	SW-39		1	GROUNDWATER		
	SW-42			WASTEWATER		
	SW-50			SOIL		
	SW-51			CIL		
	SW-52			SLUDGE		
	SW-37			OTHER:		
	SW-38			ACID/BASE:		
	BH-227 (4')			ICE / COOL		
	BH-228 (4')			OTHER:		
	BH-229 (4')					
PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is brought by any of the above stated parties or otherwise.						
Relinquished By:	Date: 8-18-23	Received By:	Date: 8/19/23	TIME	DATE	TIME
<i>Ivan Ramos</i>		<i>Shodiquey</i>				
Relinquished By:	Date: 11-25-23	Received By:				
Delivered By: (Circle One)	Observed Temp. °C 0.1	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool ☐ Intact ☒ Yes ☐ No ☐		Thermometer ID #140	Rush ☐	Cool ☐ Intact ☐ Yes ☐ No ☐
				Correction Factor 0°C		Observed Temp. °C
						Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



Appendix F

RXSoil Technical Brief &
Sustainability Statement

RXSoil built two treatment cells capable of holding approximately 5,000 cu. yds. Treatment cells are site specific for each spill. Typically located very close to the impacted areas help mitigate heavy equipment transport and save on emissions. On-site remediation vs dig-n-haul saved an estimated 70,000 gallons of burned diesel.

Once the treatment cells are constructed, graded, and stabilized to maximize the flow of effluent, then an impermeable membrane is used to ensure no cross contamination between impacted material and clean soils. An integrated sump basin design is powered with a triple redundant submersible pump system that evacuates the harmful Sodium and Chloride contaminants.

Treatment cells are loaded with impacted material. Once the cell is loaded to a predetermined depth, a proprietary delivery system is installed just below the surface of the impacted soil. This delivery system will take a series of prescribed amendments to the entire impacted profile at the same predetermined rate. Soil porosity and flocculation help achieve monolithic and uniform molecular contact.

The RXSoil amendments are responsible for building a healthy soil structure and releasing the harmful contaminants of Sodium and Chlorides. Daily leachate and soil samples are field screened and updated to optimize future algorithms and better forecasting of upcoming field services. Having the Revelation recycling pond adjacent allowed for the complete elimination of trucking the by-product to a commercial SWD. This closed loop recycling process took 433 trucks off the road, saved 35,000 gallons of diesel being burned and stopped over 2,300,000 gallons going back down hole into an already over-crowded saltwater basin zone.

A series of flow meters, EC gauges and other proprietary monitoring instruments are used to constantly optimize predictive algorithms and better assess the progress of chloride load removal. When the leachate reaches its predictive threshold, Tetra Tech and RXSoil field Technicians begin final confirmation sampling inside a grid pattern matching the approved workplan. Any grid areas sampled that screen above the RRALs would be isolated and treatment would continue. Once thresholds are achieved, remediated soils are given a final dose of RXVita which replaces the nutrients and helps create a natural and healthy biome.

In-situ remediation eliminates trucking contaminated material to a landfill. In addition to the safety benefits of removing truck drivers from the hazardous roads, in-situ remediation also greatly reduces a company's carbon footprint. The numbers below have been calculated based on average trucking miles representing **26,414 cubic yard** remediation job.

Dig N Haul		RXSoil
105,573	Trucking Diesel (gal)	10,400
1,804,833	lbs. of CO2 produced	232,960
451,208	Trees to convert (over 1 month)	58,240
2,479	Equivalent acres of forest	320
87% Reduction in Carbon Footprint 3,300+ Trucks Kept off the Roads		



Appendix G

Treated Backfill Analytical Laboratory Reports



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 08, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 05/03/23 8:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/03/2023
 Reported: 05/08/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP A - 1 / FLIP 1 (H232165-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	05/04/2023	ND	416	104	400	0.00		

Sample ID: COMP A - 2 / FLIP 1 (H232165-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	05/04/2023	ND	416	104	400	0.00		

Sample ID: COMP A - 3 / FLIP 1 (H232165-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	05/04/2023	ND	416	104	400	0.00		

Sample ID: COMP A - 4 / FLIP 1 (H232165-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/04/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/03/2023
 Reported: 05/08/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP A - 5 / FLIP 1 (H232165-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	05/04/2023	ND	416	104	400	0.00		

Sample ID: COMP A - 6 / FLIP 1 (H232165-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/04/2023	ND	400	100	400	0.00		

Sample ID: COMP B - 1 / FLIP 1 (H232165-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	05/04/2023	ND	400	100	400	0.00		

Sample ID: COMP B - 2 / FLIP 1 (H232165-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	05/04/2023	ND	400	100	400	0.00		

Sample ID: COMP B - 3 / FLIP 1 (H232165-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	05/04/2023	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/03/2023
 Reported: 05/08/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP B - 4 / FLIP 1 (H232165-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	05/04/2023	ND	400	100	400	0.00	

Sample ID: COMP B - 5 / FLIP 1 (H232165-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	05/04/2023	ND	400	100	400	0.00	

Sample ID: COMP B - 6 / FLIP 1 (H232165-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	05/04/2023	ND	400	100	400	0.00	

Sample ID: COMP C - 1 / FLIP 1 (H232165-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/04/2023	ND	400	100	400	0.00	

Sample ID: COMP C - 2 / FLIP 1 (H232165-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/04/2023	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/03/2023
 Reported: 05/08/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP C - 3 / FLIP 1 (H232165-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	05/04/2023	ND	400	100	400	0.00		

Sample ID: COMP C - 4 / FLIP 1 (H232165-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/04/2023	ND	400	100	400	0.00	

Sample ID: COMP C - 5 / FLIP 1 (H232165-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	05/04/2023	ND	400	100	400	0.00		

Sample ID: COMP C - 6 / FLIP 1 (H232165-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/04/2023	ND	400	100	400	0.00	

Sample ID: COMP D - 1 / FLIP 1 (H232165-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	05/04/2023	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/03/2023
 Reported: 05/08/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP D - 2 / FLIP 1 (H232165-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	05/04/2023	ND	400	100	400	0.00	

Sample ID: COMP D - 3 / FLIP 1 (H232165-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/04/2023	ND	400	100	400	0.00	

Sample ID: COMP D - 4 / FLIP 1 (H232165-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/04/2023	ND	400	100	400	0.00		

Sample ID: COMP D - 5 / FLIP 1 (H232165-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/04/2023	ND	400	100	400	0.00		

Sample ID: COMP D - 6 / FLIP 1 (H232165-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	05/04/2023	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: **RX Soil Inc**
Project Manager: **Stan Mickle**

Address: **105 W Main St**
City: **Decatur** State: **TX** Zip: **76234**
Phone #: **(682) 352-1039** Fax #:

Project #: **1** Project Owner: **Stan Mickle**
Project Name: **Bronco Relaxation**
Project Location: **Lea County**
Sampler Name: **Jason Cave**

FOR LAB USE ONLY

BILL TO

P.O. #:
Company: **Solaris water**
Attn: **Rob Kirk**
Address: **9811 Katy Fwy, Ste 100**
City: **Houston** State: **TX** Zip: **77024**
Phone #: **469-978-5620** Fax #: **rob.kirk@solariswater.com**

ANALYSIS REQUEST

Lab I.D. Sample I.D.

1	Comp A-1 / Flip 1	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE :	ICE / COOL	OTHER :	DATE	TIME
2	Comp A-2 / Flip 1	C 1											5/1/23	
3	Comp A-3 / Flip 1													
4	Comp A-4 / Flip 1													
5	Comp A-5 / Flip 1													
6	Comp A-6 / Flip 1													
7	Comp B-1 / Flip 1													
8	Comp B-2 / Flip 1													
9	Comp B-3 / Flip 1													
10	Comp B-4 / Flip 1													

PLEASE NOTE: Liability and Damage: Cardinal's liability and damage exclusion remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated theories or otherwise.

Relinquished By: **Stan Mickle**
Date: **5/3/23**
Time: **0850**

Received By: **Stodolnick**
Date: **5/3/23**
Time: **0850**

Received By: **Stodolnick**

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C: **-4.3**
Corrected Temp. °C: **-4.9**
Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No

CHECKED BY: **SK** (Initials)

Turnaround Time: **Standard** ☒ **Rush** ☐
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No
Observed Temp. °C: **-4.3**
Corrected Temp. °C: **-4.9**

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: **RX Soil Inc**
Project Manager: **Stan Mickle**
Address: **105 W Main St**
City: **Decatur** State: **TX** Zip: **76234**
Phone #: **(682) 352-1039** Fax #:
Project #:
Project Name: **Branco Revaluation**
Project Location: **Lca County**
Sample Name: **Jason Cave**

BILL TO

ANALYSIS REQUEST

P.O. #:
Company: **Solaris Water Mgmt.**
Attn: **Rob Kirk**
Address: **9811 Katy Hwy Ste 200**
City: **HOUSTON** State: **TX** Zip: **77024**
Phone #: **469-978-5620** Fax #: **rob.kirk@solariswater.com**

Lab I.D. Sample I.D.

Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE :		ICE / COOL		OTHER :		DATE		TIME	
H232165		11	Comp B-S / Flip 1	✓	1	✓	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5/1/23			
		12	Comp B-6 / Flip 1																										
		13	Comp C-1 / Flip 1																										
		14	Comp C-2 / Flip 1																										
		15	Comp C-3 / Flip 1																										
		16	Comp C-4 / Flip 1																										
		17	Comp C-5 / Flip 1																										
		18	Comp C-6 / Flip 1																										
		19	Comp D-1 / Flip 1																										
		20	Comp D-2 / Flip 1																										

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. In no event shall Cardinal be liable for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis or succession arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Forklift - Other:
Received By: **Stan Mickle**
Date: **5/3/23**
Time: **0850**
Received By: **Spodeiquery**
Date: **5/3/23**
Time: **0850**

Observed Temp. °C: **-4.3**
Corrected Temp. °C: **-4.92**
Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No
CHECKED BY: **Spodeiquery**
Turnaround Time: **Standard** ☒ **Rush** ☐
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No
Corrected Temp. °C

Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: **RX Soil Inc**

Project Manager: **Stan Mickle**

Address: **105 W Main St**

City: **Decatur**

Phone #: **(682) 352-1039**

Project #: **TX**

Project Name: **Bronco Evaluation**

Project Location: **Lea County**

Sampler Name: **Jason Cave**

P.O. #: **TX**

Company: **Solaris Water**

Attn: **Rob Kirk**

Address: **9811 Kathy Fwy, Ste 100**

City: **Houston**

State: **TX**

Zip: **77024**

Phone #: **469-978-5620**

Fax #: **robkirk@soliswater.com**

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	ANALYSIS REQUEST
H332165	31 Comp D-3/Filip 1	C	1	GROUNDWATER			5/1/23		Chlorides
	32 Comp D-4/Filip 1			WASTEWATER					
	33 Comp D-5/Filip 1			SOIL					
	34 Comp D-6/Filip 1			OIL					
				SLUDGE					
				OTHER :					
				ACID/BASE :					
				ICE / COOL					
				OTHER :					

PLEASE NOTE: Liability and Damages. Cardinal's liability and its exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated theories or otherwise.

Relinquished By: **Stan Mickle**

Date: **5/3/23**

Time: **0850**

Received By: **Spokane**

Date: **5/3/23**

Time: **0850**

Observed Temp. °C: **-4.3**

Corrected Temp. °C: **-4.9**

Sample Condition: **Cool Intact**

Checked By: **Spokane**

Turnaround Time: **Standard**

Thermometer ID #113

Correction Factor -0.6°C

Bacteria (only) Sample Condition: **Cool Intact**

Observed Temp. °C: **-4.3**

Corrected Temp. °C: **-4.9**

Remarks: **Chlorides**



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 08, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 05/03/23 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/03/2023
 Reported: 05/08/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP- E 1 - FLIP 1 (H232201-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	05/05/2023	ND	432	108	400	0.00	

Sample ID: COMP- E 2 - FLIP 1 (H232201-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	05/05/2023	ND	432	108	400	0.00	

Sample ID: COMP- E 3 - FLIP 1 (H232201-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/05/2023	ND	432	108	400	0.00	

Sample ID: COMP- E 4 - FLIP 1 (H232201-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/05/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	05/03/2023	Sampling Date:	05/03/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP- E 5 - FLIP 1 (H232201-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/05/2023	ND	432	108	400	0.00	

Sample ID: COMP- E 6 - FLIP 1 (H232201-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	05/05/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 09, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 05/08/23 15:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/08/2023
 Reported: 05/09/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP - A3 / FLIP 1 (H232271-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/09/2023	ND	416	104	400	3.92	

Sample ID: COMP - A5 / FLIP 1 (H232271-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/09/2023	ND	416	104	400	3.92	

Sample ID: COMP - B1 / FLIP 1 (H232271-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/09/2023	ND	416	104	400	3.92	

Sample ID: COMP - B3 / FLIP 1 (H232271-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/09/2023	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/08/2023
 Reported: 05/09/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP - B4 / FLIP 1 (H232271-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	05/09/2023	ND	416	104	400	3.92		

Sample ID: COMP - C5 / FLIP 1 (H232271-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	05/09/2023	ND	416	104	400	3.92		

Sample ID: COMP - D2 / FLIP 1 (H232271-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	05/09/2023	ND	416	104	400	3.92		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RKSOL INC.		BILL TO		ANALYSIS REQUEST																							
Project Manager: Stan Mickle		P.O. #:																									
Address: 105 W Main St.		Company: Solonix Water																									
City: Decatur		Attn: Rob Kirk																									
State: TX Zip: 76234		Address: 9811 Katy Hwy Ste 709																									
Phone #: (682) 352-1039 Fax #:		City: Houston																									
Project #:		State: TX Zip: 77024																									
Project Name: Blanco Rehabilitation		Phone #: 409-978-5620																									
Project Location: Lea County		Fax #: Rob. Kirk @ solonixwater.com																									
Sampler Name: Jason Cove		PRESERV																									
FOR LAB USE ONLY		SAMPLING																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
H33371	1 Comp - A3 / Flip 1	✓	1			✓							5/8/23	12:00pm	✓	Chloride											
	2 Comp - A5 / Flip 1	✓																									
	3 Comp - B1 / Flip 1	✓																									
	4 Comp - B3 / Flip 1	✓																									
	5 Comp - B4 / Flip 1	✓																									
	6 Comp - C5 / Flip 1	✓																									
	7 Comp - D2 / Flip 1	✓																									
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																											
Relinquished By: [Signature]		Date: 5-8-23		Received By: [Signature]		Date: 5-8-23		Time: 15:37		Received By: [Signature]		Date:		Time:													
Relinquished By:																											
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:		Standard		Bacteria (only)		Sample Condition													
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		(Initials)		Thermometer ID #113		Rush		Cool Intact		Observed Temp. °C													
		1.8		Yes Yes		[Signature]		Correction Factor -0.5°C		24hr.		Yes Yes		Corrected Temp. °C													
REMARKS: Email to: RX Group Email to: cloric@solonixwater.com Bittany Long @ tetra-tech.com																											

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 10, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 05/09/23 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/09/2023
 Reported: 05/10/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP B - 5 / FLIP 1 (H232309-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/10/2023	ND	432	108	400	3.77	

Sample ID: COMP B - 6 / FLIP 1 (H232309-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/10/2023	ND	432	108	400	3.77	

Sample ID: COMP D - 1 / FLIP 1 (H232309-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/10/2023	ND	432	108	400	3.77	

Sample ID: COMP E - 1 / FLIP 1 (H232309-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	05/10/2023	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/09/2023
 Reported: 05/10/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP E - 6 / FLIP 1 (H232309-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/10/2023	ND	432	108	400	3.77		

Sample ID: COMP B - 4 / FLIP 1 (H232309-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/10/2023	ND	432	108	400	3.77	

Sample ID: COMP D - 2 / FLIP 1 (H232309-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/10/2023	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RX Soil Inc		P.O. #:		ANALYSIS REQUEST																																			
Project Manager: Stan Mickie		Company: Solaris Water Mids+ream																																					
Address: 105 W Main St.		Attn: Rob Kirk																																					
City: Decatur		Address: 9811 Katy Fwy Ste 700																																					
Phone #: (682) 352-1039		City: Houston																																					
Fax #: 		State: TX																																					
Project #: 		State: TX																																					
Project Name: Bronco Revelation		Phone #: 469-978-5620																																					
Project Location: Lea County		Fax #: rob.kirk@solariswater.com																																					
Sampler Name: Tristan Turley																																							
FOR LAB USE ONLY		PRESERV.		SAMPLING																																			
Lab I.D. H232309		Sample I.D.																																					
1 Comp B-S/Flip 1		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
2 Comp B-6/Flip 1		C		1																				5/9/23															
3 Comp D-1/Flip 1		C																																					
4 Comp E-1/Flip 1		C																																					
5 Comp E-6/Flip 1		C																																					
6 Comp B-4/Flip 1		C																																					
7 Comp D-2/Flip 1		C																																					



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 17, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 05/11/23 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP F - 2 / FLIP 2 (H232377-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/15/2023	ND	432	108	400	0.00	

Sample ID: COMP F - 3 / FLIP 2 (H232377-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/15/2023	ND	432	108	400	0.00	

Sample ID: COMP F - 4 / FLIP 2 (H232377-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/15/2023	ND	432	108	400	0.00	

Sample ID: COMP F - 5 / FLIP 2 (H232377-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/15/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/11/2023
 Reported: 05/17/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP F - 6 / FLIP 2 (H232377-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/15/2023	ND	432	108	400	0.00		

Sample ID: COMP G - 1 / FLIP 2 (H232377-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/15/2023	ND	432	108	400	0.00		

Sample ID: COMP G - 2 / FLIP 2 (H232377-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/15/2023	ND	432	108	400	0.00		

Sample ID: COMP G - 3 / FLIP 2 (H232377-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/15/2023	ND	400	100	400	0.00		

Sample ID: COMP G - 4 / FLIP 2 (H232377-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/15/2023	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/11/2023
 Reported: 05/17/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP G - 5 / FLIP 2 (H232377-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/15/2023	ND	400	100	400	0.00	

Sample ID: COMP G - 6 / FLIP 2 (H232377-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/15/2023	ND	400	100	400	0.00	

Sample ID: COMP H - 2 / FLIP 2 (H232377-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/15/2023	ND	400	100	400	0.00	

Sample ID: COMP H - 3 / FLIP 2 (H232377-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/15/2023	ND	400	100	400	0.00	

Sample ID: COMP H - 4 / FLIP 2 (H232377-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/15/2023	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/11/2023
 Reported: 05/17/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP H - 5 / FLIP 2 (H232377-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/15/2023	ND	400	100	400	0.00	

Sample ID: COMP H - 6 / FLIP 2 (H232377-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/15/2023	ND	400	100	400	0.00		

Sample ID: COMP I - 2 / FLIP 2 (H232377-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/15/2023	ND	400	100	400	0.00	

Sample ID: COMP I - 3 / FLIP 2 (H232377-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/15/2023	ND	400	100	400	0.00	

Sample ID: COMP I - 4 / FLIP 2 (H232377-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/15/2023	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/11/2023
 Reported: 05/17/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP I - 5 / FLIP 2 (H232377-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/15/2023	ND	400	100	400	0.00		

Sample ID: COMP J - 1 / FLIP 2 (H232377-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/15/2023	ND	400	100	400	0.00		

Sample ID: COMP J - 2 / FLIP 2 (H232377-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/15/2023	ND	400	100	400	0.00	

Sample ID: COMP J - 3 / FLIP 2 (H232377-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/15/2023	ND	400	100	400	0.00	

Sample ID: COMP J - 4 / FLIP 2 (H232377-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/15/2023	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP J - 5 / FLIP 2 (H232377-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/15/2023	ND	400	100	400	0.00		

Sample ID: COMP J - 6 / FLIP 2 (H232377-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/15/2023	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RX Soil						BILL TO								ANALYSIS REQUEST									
Project Manager: Stan Mickle						P.O. #:						SOLARIS WATER											
Address: 105 W Main St						Company: Midstream																	
City: Decatur						Attn: Rob Kirk																	
State: TX zip: 76234						Address: 9811 Katy Fwy,																	
Phone #: (682)-352-1039 Fax #:						City: Houston																	
Project Owner: Stan Mickle						State: TX zip: 77024																	
Project Location: Lea County						Phone #: 469-978-5620																	
Sampler Name: Tristan Terley						Fax #:																	
FOR LAB USE ONLY						PRESERV.						SAMPLING											
Lab I.D.						Sample I.D.																	
H232377						(G)RAB OR (C)OMP.																	
1 Comp F-2 / Flip 2						# CONTAINERS																	
2 Comp F-3 / Flip 2						GROUNDWATER																	
3 Comp F-4 / Flip 2						WASTEWATER																	
4 Comp F-5 / Flip 2						SOIL																	
5 Comp F-6 / Flip 2						OIL																	
6 Comp G-1 / Flip 2						SLUDGE																	
7 Comp G-2 / Flip 2						OTHER :																	
8 Comp G-3 / Flip 2						ACID/BASE:																	
9 Comp G-4 / Flip 2						ICE / COOL																	
10 Comp G-S / Flip 2						OTHER :																	
DATE TIME						DATE TIME																	
5/11/23 8:55am						X Chlorides																	
9:00am																							
9:05am																							
9:10am																							
9:15am																							
9:20am																							
9:25am																							
9:30am																							
9:35am																							
9:40am																							
PLEASE NOTE: Liability and Damages. Candidate's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																							
Relinquished By: [Signature]												Received By: [Signature]											
Date: 5-11-23												Time: 10:50											
Relinquished By: [Signature]												Received By: [Signature]											
Date:												Time:											
Observed Temp. °C												Corrected Temp. °C											
Delivered By: (Circle One)												Sample Condition											
Cool Intact												Checked BY: [Initials]											
Thermometer ID #113												Correction Factor -0.6°C											
Remarks: email to R&group																							
email to Clair.Gonzales@tetratech.com																							
Turnaround Time: Standard																							
Bacteria (only) Sample Condition																							
Cool Intact																							
Observed Temp. °C																							
Corrected Temp. °C																							



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Rx Soil Project Manager: Stan Mickle Address: 105 W Main St City: Decatur Phone #: (682) 352-1039 Project #: Project Name: Bronco Revelation Project Location: Lea County Sample Name: Tristan Turley				P.O. #: Company: Solaris Water Attn: Rob Kirk Address: 9811 Katy Fwy City: Houston State: TX zip: 77024 Phone #: 469-978-5620				BILL TO				ANALYSIS REQUEST			
State: TX zip: 76234 Fax #: Project Owner: Stan Mickle															
FOR LAB USE ONLY Lab I.D.: #33377 Sample I.D.:				FOR LAB USE ONLY Lab I.D.: #33377 Sample I.D.:											
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME				MATRIX PRESERV SAMPLING				Chlorides			
Relinquished By: <i>[Signature]</i> Date: 5-11-23 Time: 10:50 Received By: <i>[Signature]</i> Date: 5-11-23 Time: 10:50				Relinquished By: <i>[Signature]</i> Date: 5-11-23 Time: 10:50 Received By: <i>[Signature]</i> Date: 5-11-23 Time: 10:50				Verbal Result: ☐ Yes ☐ No Add'l Phone #:				All Results are emailed. Please provide Email address:			
Delivered By: (Circle One) UPS - Bus - Other:				Observed Temp. °C: 1.5 Corrected Temp. °C: 0.9 Sample Condition: ☒ Cool ☐ Intact Checked By: <i>[Signature]</i> (Initials)				REMARKS: email to Rxgroup email to Clara.Gonzalez@teratech.com email to Brihany.Leng@teratech.com Turnaround Time: Standard ☒ Rush ☐				Thermometer ID #113 Correction Factor -0.6°C Cool Intact: ☐ Yes ☐ No Bacteria (only) ☐ Yes ☐ No Sample Condition: Observed Temp. °C Corrected Temp. °C			



BILL TO

ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 17, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 05/12/23 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 05/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP F - 1 / FLIP 2 (H232409-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/16/2023	ND	400	100	400	7.69		

Sample ID: COMP H - 1 / FLIP 2 (H232409-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/16/2023	ND	400	100	400	7.69	

Sample ID: COMP I - 1 / FLIP 2 (H232409-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/16/2023	ND	400	100	400	7.69		

Sample ID: COMP I - 6 / FLIP 2 (H232409-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/16/2023	ND	400	100	400	7.69	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 27, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 06/26/23 14:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a light gray rectangular background.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 06/26/2023
 Reported: 06/27/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 06/26/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP - FLIP 3 / K1 (H233301-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/27/2023	ND	416	104	400	3.77	

Sample ID: COMP - FLIP 3 / K3 (H233301-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	06/27/2023	ND	416	104	400	3.77	

Sample ID: COMP - FLIP 3 / K4 (H233301-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/27/2023	ND	416	104	400	3.77	

Sample ID: COMP - FLIP 3 / L1 (H233301-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/27/2023	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 06/26/2023
 Reported: 06/27/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 06/26/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP - FLIP 3 / L2 (H233301-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/27/2023	ND	416	104	400	3.77		

Sample ID: COMP - FLIP 3 / L3 (H233301-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	06/27/2023	ND	416	104	400	3.77		

Sample ID: COMP - FLIP 3 / M1 (H233301-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/27/2023	ND	416	104	400	3.77		

Sample ID: COMP - FLIP 3 / N1 (H233301-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/27/2023	ND	416	104	400	3.77		

Sample ID: COMP - FLIP 3 / N6 (H233301-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/27/2023	ND	416	104	400	3.77		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 06/26/2023
 Reported: 06/27/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 06/26/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP - FLIP 3 / O1 (H233301-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/27/2023	ND	416	104	400	3.77		

Sample ID: COMP - FLIP 3 / O2 (H233301-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/27/2023	ND	416	104	400	3.77		

Sample ID: COMP - FLIP 3 / O3 (H233301-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/27/2023	ND	416	104	400	3.77	

Sample ID: COMP - FLIP 3 / O6 (H233301-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/27/2023	ND	416	104	400	3.77		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RX Soil Project Manager: Stan Mickle Address: 105 W Main St. City: Decatur Phone #: (682) 352-1039 State: TX zip: 76234 Fax #: Project #: Project Name: Bronco Revallation Project Location: Lea County Sample Name: Jason Cave		BILL TO P.O. #: Company: Solidis Water Attn: Rob Kirk Address: 9811 Katy Hwy City: Houston State: TX zip: 77024 Phone #: 469-978-5620 Fax #: robkirk@solidiswater.com	
FOR LAB USE ONLY Lab I.D. H033301 Sample I.D.		ANALYSIS REQUEST	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise.		Chlorides	
Relinquished By: <i>[Signature]</i> Date: 11/23/23 Time: 1437		Received By: <i>[Signature]</i> Date: 11/23/23 Time: 1437	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 4.4 Corrected Temp. °C: 3.8	
Sample Condition Cool Intact: ☒ Yes ☐ No Sample Intact: ☒ Yes ☐ No		CHECKED BY: <i>[Signature]</i>	
Turnaround Time: Standard ☐ Rush ☒		Bacteria (only) Sample Condition Cool Intact: ☐ Yes ☐ No Observed Temp. °C: Corrected Temp. °C:	
REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
All Results are emailed. Please provide Email address:		Turnaround Time:	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 28, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 06/27/23 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
STAN MICKLE
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102
Fax To: NA

Received: 06/27/2023
Reported: 06/28/2023
Project Name: BRONCO REVELATION
Project Number: NONE GIVEN
Project Location: SOLARIS - LEA COUNTY

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: COMP - FLIP 3 / K3 (H233328-01)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/28/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RX Soil		BILL TO		ANALYSIS REQUEST	
Project Manager: Stan Mickie		P.O. #:			
Address: 105 W Main St.		Company: Solaris Water Midstream			
City: Decatur		Attn: Rob Kirk			
State: TX Zip: 76234		Address: 9811 Katy Fwy Ste 700			
Phone #: (682) 352-1039 Fax #:		City: Houston			
Project #: Bronco Revaluation		State: TX Zip: 77024			
Project Location: Lea County		Phone #: 469-978-5620			
Sampler Name: Jason Cave		Fax #: robkirk@answater.com			
FOR LAB USE ONLY		MATRIX		PRESERV	
Lab I.D.		Sample I.D.			
H2333328		Comp - Flip 3 / K3			
		(G)RAB OR (C)OMP.			
		# CONTAINERS			
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE			
		TIME			
		6/17		2:00pm	
		X		chlorides	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable services. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether a "claim" is based upon any of the above stated reasons or otherwise.

Relinquished By: **Stan Mickie** Date: **6-21-23** Time: **1:00** Received By: **Brittany Long** Date: **6-21-23** Time: **1:00**

Relinquished By: **Stan Mickie** Date: **6-21-23** Time: **1:00** Received By: **Brittany Long** Date: **6-21-23** Time: **1:00**

Delivered By: (Circle One) Observed Temp. °C **3.6** Sample Condition Cool ☒ Intact ☒ Bacteria (only) ☒ Sample Condition Cool ☒ Intact ☒ Observed Temp. °C **3.6**

Sampler - UPS - Bus - Other: Corrected Temp. °C **30** Correction Factor **-0.8°C** Corrected Temp. °C **34.4**

REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Verbal Result: ☐ Yes ☐ No Add'l Priority #: **34465**

All Results are emailed. Please provide Email address:



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 06, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 07/06/23 8:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/06/2023
 Reported: 07/06/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP P - 1 / FLIP 4 (H233433-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/06/2023	ND	432	108	400	0.00	

Sample ID: COMP P - 4 / FLIP 4 (H233433-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/06/2023	ND	432	108	400	0.00	

Sample ID: COMP P - 5 / FLIP 4 (H233433-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/06/2023	ND	432	108	400	0.00	

Sample ID: COMP P - 6 / FLIP 4 (H233433-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/06/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/06/2023
 Reported: 07/06/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP Q - 1 / FLIP 4 (H233433-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	07/06/2023	ND	432	108	400	0.00		

Sample ID: COMP Q - 2 / FLIP 4 (H233433-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	07/06/2023	ND	432	108	400	0.00		

Sample ID: COMP Q - 4 / FLIP 4 (H233433-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/06/2023	ND	432	108	400	0.00		

Sample ID: COMP R - 4 / FLIP 4 (H233433-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/06/2023	ND	432	108	400	0.00		

Sample ID: COMP R - 5 / FLIP 4 (H233433-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/06/2023	ND	432	108	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/06/2023
 Reported: 07/06/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP R - 6 / FLIP 4 (H233433-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	07/06/2023	ND	432	108	400	0.00		

Sample ID: COMP S - 1 / FLIP 4 (H233433-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/06/2023	ND	432	108	400	0.00	

Sample ID: COMP S - 3 / FLIP 4 (H233433-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/06/2023	ND	432	108	400	0.00	

Sample ID: COMP S - 4 / FLIP 4 (H233433-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/06/2023	ND	432	108	400	0.00	

Sample ID: COMP S - 5 / FLIP 4 (H233433-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/06/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/06/2023
 Reported: 07/06/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP T - 2 / FLIP 4 (H233433-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/06/2023	ND	432	108	400	0.00		

Sample ID: COMP T - 3 / FLIP 4 (H233433-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/06/2023	ND	432	108	400	0.00		

Sample ID: COMP T - 4 / FLIP 4 (H233433-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/06/2023	ND	432	108	400	0.00		

Sample ID: COMP T - 5 / FLIP 4 (H233433-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/06/2023	ND	432	108	400	0.00		

Sample ID: COMP T - 6 / FLIP 4 (H233433-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/06/2023	ND	432	108	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**BILL TO**

ANALYSIS REQUEST

[illegible][illegible]

RELEASE NOTE: Caltrans and Caltrans' liability under the contract at issue shall be limited to the amount paid by the client for the analysis. All claims (including those for negligence and any other cause whatsoever) shall be deemed waived unless made in writing and received by Caltrans within 30 days after completion of the applicable service. In no event shall Caltrans be liable for incidental or consequential damages, including without limitation, business interruption, loss of sales, or loss of profits incurred by client, its subsidiaries, affiliates or successors. The above limitations shall apply regardless of whether such claim is brought by the client, its subsidiaries, affiliates or successors. The above limitations shall apply regardless of whether such claim is brought by the client, its subsidiaries, affiliates or successors. The above limitations shall apply regardless of whether such claim is brought by the client, its subsidiaries, affiliates or successors.

Reinquished By: <i>Julian</i>	Date: 7-6-23	Received By: <i>Marlene Clark</i>	Verbal Result: ☐ Yes ☐ No	Add'l Phone #:
Reinquished By: <i>Julian</i>	Time: 8:25		All Results are emailed. Please provide Email address:	
	Date:			
	Time:			
Delivered By: (Circle One)	Observed Temp. °C: -3.4	Sample Condition: Cool ☒ Yes ☐ No	CHECKED BY: (Initials) <i>JC</i>	Turnaround Time: Standard ☐ Rush ☒
Sampler - UPS - Bus - Other:	Corrected Temp. °C: -4.0	☐ Yes ☐ No		Thermometer ID #113
		☐ No ☐ No		Correction Factor -0.8°C
			REMARKS: email to Rxgroup, Clair. Gonzales@tet Brittany.Long@tetnatch.com	
				Bacteria (only) ☐
				Cool ☐ Yes ☐ No
				Observed Temp. °C
				Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celej.keene@cardinallabsnm.com



Page 8 of 8

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 07, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 07/06/23 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/06/2023
 Reported: 07/07/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP P - 2 / FLIP 4 (H233452-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/07/2023	ND	432	108	400	3.77	

Sample ID: COMP P - 3 / FLIP 4 (H233452-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/07/2023	ND	432	108	400	3.77	

Sample ID: COMP Q - 3 / FLIP 4 (H233452-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/07/2023	ND	432	108	400	3.77	

Sample ID: COMP Q - 5 / FLIP 4 (H233452-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/07/2023	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/06/2023
 Reported: 07/07/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP Q - 6 / FLIP 4 (H233452-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/07/2023	ND	432	108	400	3.77		

Sample ID: COMP R - 1 / FLIP 4 (H233452-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/07/2023	ND	432	108	400	3.77		

Sample ID: COMP R - 2 / FLIP 4 (H233452-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/07/2023	ND	432	108	400	3.77	

Sample ID: COMP R - 3 / FLIP 4 (H233452-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/07/2023	ND	432	108	400	3.77		

Sample ID: COMP S - 2 / FLIP 4 (H233452-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/07/2023	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/06/2023
 Reported: 07/07/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP S - 6 / FLIP 4 (H233452-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/07/2023	ND	432	108	400	3.77		

Sample ID: COMP T - 1 / FLIP 4 (H233452-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/07/2023	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 31, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 07/25/23 16:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	07/25/2023	Sampling Date:	07/25/2023
Reported:	07/31/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP - U - 4 / FLIP 5 (H233884-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - U - 5 / FLIP 5 (H233884-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - V - 1 / FLIP 5 (H233884-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - V - 4 / FLIP 5 (H233884-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/31/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/25/2023
 Reported: 07/31/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP - V - 5 / FLIP 5 (H233884-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	07/31/2023	ND	416	104	400	0.00		

Sample ID: COMP - V - 6 / FLIP 5 (H233884-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/31/2023	ND	416	104	400	0.00		

Sample ID: COMP - W - 1 / FLIP 5 (H233884-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/31/2023	ND	416	104	400	0.00		

Sample ID: COMP - W - 3 / FLIP 5 (H233884-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - W - 4 / FLIP 5 (H233884-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/31/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/25/2023
 Reported: 07/31/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP - W - 5 / FLIP 5 (H233884-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - W - 6 / FLIP 5 (H233884-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - X - 1 / FLIP 5 (H233884-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - X - 2 / FLIP 5 (H233884-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - X - 3 / FLIP 5 (H233884-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/31/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/25/2023
 Reported: 07/31/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP - X - 4 / FLIP 5 (H233884-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	07/31/2023	ND	416	104	400	0.00		

Sample ID: COMP - X - 5 / FLIP 5 (H233884-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/31/2023	ND	416	104	400	0.00		

Sample ID: COMP - X - 6 / FLIP 5 (H233884-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - Y - 2 / FLIP 5 (H233884-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - Y - 3 / FLIP 5 (H233884-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/31/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	07/25/2023	Sampling Date:	07/25/2023
Reported:	07/31/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP - Y - 6 / FLIP 5 (H233884-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	07/31/2023	ND	416	104	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: **RX Soil**Project Manager: **Stan Mickie**Address: **105 W Main St**City: **Decatur**State: **TX** Zip: **76234**Phone #: **(682) 352-1039**

Fax #:

Project #:

Project Owner: **Stan Mickie**Project Name: **Bronco Revelation**Project Location: **Lea County**Sampler Name: **Tristan Turley**

P.O. #:

Company: **Solaris Water Midstream**Attn: **Rob Kirk**Address: **9811 Katy Fwy Ste 700**City: **Houston**State: **TX** Zip: **77024**Phone #: **469-978-5620**Fax #: **robkirk@solariswater.com**

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H0338864

Comp U-4/Flips
Comp U-S/Flips
Comp V-1/Flips
Comp V-4/Flips
Comp V-S/Flips
Comp V-6/Flips
Comp W-1/Flips
Comp W-3/Flips
Comp W-4/Flips
Comp W-S/Flips

(G)RAB OR (C)OMP

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

ACID/BASE

ICE / COOL

OTHER

DATE

TIME

7/25 10:00am

Chlorides

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's securities remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable services. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise.

Relinquished By:

Date: **7/25/23**

Received By:

Relinquished By: **Tristan Turley**Date: **7/25/23**Received By: **Stan Mickie**Time: **10:19**Received By: **Stan Mickie**Time: **10:19**Received By: **Stan Mickie**Time: **10:19**Received By: **Stan Mickie**Time: **10:19**Received By: **Stan Mickie**Time: **10:19**

Delivered By: (Circle One)

Observed Temp. °C

Sample Condition

CHECKED BY:

Turnaround Time:

Standard

Bacteria (only)

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool Intact

Checked By:

Thermometer ID

Rush

Bacteria (only)

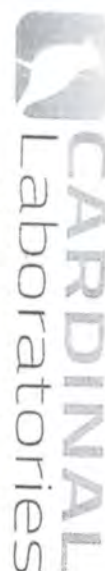
Sample Condition

Observed Temp. °C

Corrected Temp. °C

FORM-500 R-3-07/10/22

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

BILL TO		P.O. #:	Solaris Water Midstream
Company Name:	RX Soil	City:	Houston
Project Manager:	Stan Mickle	State:	Tx Zip: 77024
Address:	105 W Main St.	Attn:	Rob Kirk
City:	Dearborn	Address:	9811 Katy Fwy Ste 700
Phone #:	(682) 352-1039	Fax #:	robkirk@arswater.com
Project #:		Sample Location:	Lea County
Project Name:	Bronco Revelation	Sampler Name:	Tristan Turley
FOR LAB USE ONLY		MATRIX	GROUNDEWATER WASTEWATER ☒ SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :
Lab I.D.	AJ33884	DATE	7/25
Sample I.D.	CMP X - 6 / FLIP S	TIME	10:00am
	CMP X - 1 / FLIP S		X Chlorides
	CMP X - 2 / FLIP S		
	CMP X - 3 / FLIP S		
	CMP X - 4 / FLIP S		
	CMP X - 5 / FLIP S		
	CMP X - 6 / FLIP S		
	CMP Y - 2 / FLIP S		
	CMP Y - 3 / FLIP S		
	CMP Y - 6 / FLIP S		

PLEASE NOTE: Liability and Damages. Client's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims (including those for negligence and any other cause whatsoever) shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date:	Received By:	Date:
[Signature]	7/25/23	[Signature]	7/25/23
Time:	Time:	Time:	Time:
	11:19		
Reinforced By:	Date:	Received By:	Date:
Turnaround Time:	Standard	Add'l Phone #:	All Results are emailed. Please provide Email address:
#14D	☒		
Thermometer ID A13	☐	Bacteria (only)	
Correction Factor DSSC	No	Cool Intact	
	No	Observed Temp. °C	
	No	Corrected Temp. °C	

REMARKS: email to Bxgroup, Clair.Gonzales@tehtech.com
Brittany.Long@tehtech.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 27, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 07/26/23 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/26/2023
 Reported: 07/27/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/26/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP - U - 1 / FLIP 5 (H233918-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/27/2023	ND	432	108	400	0.00		

Sample ID: COMP - U - 2 / FLIP 5 (H233918-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/27/2023	ND	432	108	400	0.00		

Sample ID: COMP - U - 6 / FLIP 5 (H233918-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/27/2023	ND	432	108	400	0.00		

Sample ID: COMP - V - 3 / FLIP 5 (H233918-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/27/2023	ND	432	108	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/26/2023
 Reported: 07/27/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/26/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP - W - 2 / FLIP 5 (H233918-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/27/2023	ND	432	108	400	0.00		

Sample ID: COMP - Y - 1 / FLIP 5 (H233918-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/27/2023	ND	432	108	400	0.00		

Sample ID: COMP - Y - 4 / FLIP 5 (H233918-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	07/27/2023	ND	432	108	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 28, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 07/27/23 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 07/27/2023
 Reported: 07/28/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP - U - 3 / FLIP 5 (H233942-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/27/2023	ND	432	108	400	3.77		

Sample ID: COMP - V - 2 / FLIP 5 (H233942-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/27/2023	ND	416	104	400	7.41		

Sample ID: COMP - Y - 5 / FLIP 5 (H233942-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/27/2023	ND	416	104	400	7.41		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: **RX Soil**

Project Manager: **Stan Mickle**

Address: **105 W Main St**

City: **Decatur** State: **TX** Zip: **76234**

Phone #: **(682) 352-1039** Fax #:

Project #: Project Owner: **Stan Mickle**

Project Name: **Bronco Revelation**

Project Location: **Lea County**

Sampler Name: **Tristan Turley**

BILL TO

P.O. #:

Company: **Solaris Water Midstream**

Attn: **Rob Kirk**

Address: **9511 Katy Hwy Ste 400**

City: **Houston**

State: **TX** Zip: **77024**

Phone #: **469-978-5620**

Fax #: **robkirk@solariswater.com**

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	ANALYSIS REQUEST									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :													
H333942	Comp U-3 / Flip S	C	1								7/27	9:00am	X	Chlorides								
	Comp V-2 / Flip S																					
	Comp Y-5 / Flip S																					

PLEASE NOTE: Liability and Damages. Cardinal's liability and amount of coverage is limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. If no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: **Tristan Turley** Date: **7/27/23** Received By: **Shou Linnes**

Relinquished By: **Tristan Turley** Date: **7/27/23** Received By: **Shou Linnes**

REMARKS: email to **kgroop, Clair.Gonzales@tetratech.com**, **Brian.Long@tetratech.com**

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: 1 hr	Standard 1 hr	Bacteria (only) ☒	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☒ Cool ☒ Intact ☐ Yes ☐ No		Thermometer ID # 13	24 hrs	☐ Cool ☐ Intact ☐ Yes ☐ No	Observed Temp. °C

+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 02, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 16:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP W - 6 / FLIP 5 (H234058-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/02/2023	ND	448	112	400	7.41	

Sample ID: COMP X - 1 / FLIP 5 (H234058-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/02/2023	ND	448	112	400	7.41	

Sample ID: COMP X - 6 / FLIP 5 (H234058-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/02/2023	ND	448	112	400	7.41	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RX Soil Project Manager: Stan Nickle Address: 105 W Main St City: Decatur Phone #: (682)-352-1039 Project #: Project Name: Bronco Revelation Project Location: Lea County Sampler Name: Tristan Turley										P.O. #: Company: Solaris Water Midstream Attn: Rob Kirk Address: 9811 Katy Hwy Ste 700 City: Houston State: TX Zip: 77024 Phone #: 469-978-5620 Fax #: robkirk@solariswater.com									
State: TX Zip: 76234 Fax #: Project Owner:										State: TX Zip: 77024 Phone #: 469-978-5620 Fax #: robkirk@solariswater.com									
FOR LAB USE ONLY										FOR LAB USE ONLY									
Lab I.D. H234058 Sample I.D.										Lab I.D. H234058 Sample I.D.									
Comp W-6 / Flip 5 Comp X-1 / Flip 5 Comp X-6 / Flip 5										Comp W-6 / Flip 5 Comp X-1 / Flip 5 Comp X-6 / Flip 5									
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :										(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :									
DATE 8/1/23 TIME 7:30am										DATE 8/1/23 TIME 7:30am									
Chlorides										Chlorides									

PLEASE NOTE: Liability and Damages. Contractor's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or in connection with the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]
Date: 8-1-23
Time: 1004

Relinquished By: [Signature]
Date: 8-1-23
Time: 1004

Received By: [Signature]
Date: 8-1-23
Time: 1004

Received By: [Signature]
Date: 8-1-23
Time: 1004

REMARKS: email to Rxgroup, Brittony.Long@tetrahed.com
 Clair.Gonzales@tetrahed.com

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID: #13 #140 ☒ ☐
Correction Factor: -0.3°C ☒ ☐
Sample Condition: Bacteria (only) ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Observed Temp. °C ☐ Corrected Temp. °C ☐



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 14, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 08/08/23 16:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/08/2023
 Reported: 08/14/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP Z - 1 / FLIP 6 (H234245-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP Z - 3 / FLIP 6 (H234245-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP Z - 4 / FLIP 6 (H234245-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP Z - 5 / FLIP 6 (H234245-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/10/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/08/2023
 Reported: 08/14/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP Z - 6 / FLIP 6 (H234245-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/10/2023	ND	432	108	400	0.00		

Sample ID: COMP AA - 1 / FLIP 6 (H234245-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP AA - 3 / FLIP 6 (H234245-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/10/2023	ND	432	108	400	0.00		

Sample ID: COMP AA - 4 / FLIP 6 (H234245-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP AA - 6 / FLIP 6 (H234245-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/10/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/08/2023
 Reported: 08/14/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP BB - 1 / FLIP 6 (H234245-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP BB - 3 / FLIP 6 (H234245-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP BB - 4 / FLIP 6 (H234245-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	08/10/2023	ND	432	108	400	0.00		

Sample ID: COMP CC - 2 / FLIP 6 (H234245-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP CC - 3 / FLIP 6 (H234245-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/10/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/08/2023
 Reported: 08/14/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP CC - 4 / FLIP 6 (H234245-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP DD - 2 / FLIP 6 (H234245-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP DD - 4 / FLIP 6 (H234245-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP DD - 5 / FLIP 6 (H234245-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/10/2023	ND	432	108	400	3.77	

Sample ID: COMP DD - 6 / FLIP 6 (H234245-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/10/2023	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

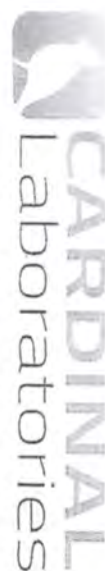


101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RX Soil Project Manager: Stan Mickie Address: 105 W Main St. City: Decatur State: TX Zip: 76234 Phone #: (682)-352-1039 Fax #: Project #: Project Name: Bronco Revelation Project Location: Lea County Sampler Name: Jason Cave		P.O. #: Company: Solaris Water Midstream Attn: Rob Kirk Address: 9911 Katy Hwy Ste 700 City: Houston State: TX Zip: 77024 Phone #: 469-978-5620 Fax #: robkirk@solariswater.com	
FOR LAB USE ONLY		BILL TO	
Lab I.D. Sample I.D. H234245		ANALYSIS REQUEST	
PLEASE NOTE: Liability and Client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		DATE TIME 8/8/23 10:00am	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		MATRIX PRESERV SAMPLING	
1 Comp Z-1 / Flip 6 2 Comp Z-3 / Flip 6 3 Comp Z-4 / Flip 6 4 Comp Z-5 / Flip 6 5 Comp Z-6 / Flip 6 6 Comp AA-1 / Flip 6 7 Comp AA-3 / Flip 6 8 Comp AA-4 / Flip 6 9 Comp AA-6 / Flip 6 10 Comp BB-1 / Flip 6		Chlorides	
Relinquished By: Date: 8-8-23 Time: 10:07 Received By: Date: 8-8-23 Time: 10:07 Received By: [Signature]		Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 5.6 Corrected Temp. °C Sample Condition Cool Intact ☒ Yes ☐ No CHECKED BY: (Initials) VP.	
REMARKS: email to Rxgroup, Clair.Gonzales@tetra-tech.com, Brihony.Long@tetra-tech.com		Turnaround Time: Standard ☒ Rush ☐ Thermometer ID #447 #140 9/8/23 Correction Factor 0.00 Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

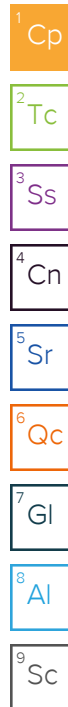


ANALYTICAL REPORT

July 31, 2023

Tetra Tech EMI - Houston, TX

Sample Delivery Group: L1637242
Samples Received: 07/20/2023
Project Number: 212C-MD-02820
Description: Bronco - Solaris
Site: LEA CO, NM
Report To: Brittany Long
901 West Wall
Suite 100
Midland, TX 79701



Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chad Upchurch".

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
COMP K2-FLIP 3 L1637242-01	5	
COMP K6-FLIP 3 L1637242-02	6	⁴ Cn
COMP L4-FLIP 3 L1637242-03	7	⁵ Sr
COMP M3-FLIP 3 L1637242-04	8	
COMP M6-FLIP 3 L1637242-05	9	⁶ Qc
COMP N5-FLIP 3 L1637242-06	10	⁷ Gl
Qc: Quality Control Summary	11	
Total Solids by Method 2540 G-2011	11	⁸ Al
Wet Chemistry by Method 9056A	12	
Gl: Glossary of Terms	13	⁹ Sc
Al: Accreditations & Locations	14	
Sc: Sample Chain of Custody	15	

COMP K2-FLIP 3 L1637242-01 Solid

				Collected by	Collected date/time	Received date/time
					06/21/23 00:00	07/20/23 08:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2098779	1	07/20/23 16:47	07/20/23 17:05	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2098766	1	07/20/23 18:26	07/21/23 04:00	GEB	Mt. Juliet, TN

1
Cp

2
Tc

3
Ss

COMP K6-FLIP 3 L1637242-02 Solid

				Collected by	Collected date/time	Received date/time
					06/21/23 00:00	07/20/23 08:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2098779	1	07/20/23 16:47	07/20/23 17:05	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2098766	1.01	07/20/23 18:26	07/21/23 05:24	GEB	Mt. Juliet, TN

4
Cn

5
Sr

6
Qc

COMP L4-FLIP 3 L1637242-03 Solid

				Collected by	Collected date/time	Received date/time
					06/21/23 00:00	07/20/23 08:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2098779	1	07/20/23 16:47	07/20/23 17:05	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2098766	1	07/20/23 18:26	07/21/23 05:41	GEB	Mt. Juliet, TN

7
Gl

8
Al

9
Sc

COMP M3-FLIP 3 L1637242-04 Solid

				Collected by	Collected date/time	Received date/time
					06/21/23 00:00	07/20/23 08:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2098779	1	07/20/23 16:47	07/20/23 17:05	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2098766	1	07/20/23 18:26	07/21/23 05:58	GEB	Mt. Juliet, TN

COMP M6-FLIP 3 L1637242-05 Solid

				Collected by	Collected date/time	Received date/time
					06/21/23 00:00	07/20/23 08:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2098779	1	07/20/23 16:47	07/20/23 17:05	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2098766	1	07/20/23 18:26	07/21/23 06:15	GEB	Mt. Juliet, TN

COMP N5-FLIP 3 L1637242-06 Solid

				Collected by	Collected date/time	Received date/time
					06/21/23 00:00	07/20/23 08:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2098779	1	07/20/23 16:47	07/20/23 17:05	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2098766	1	07/20/23 18:26	07/21/23 06:32	GEB	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chad A Upchurch
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	07/20/2023 17:05	WG2098779

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	215	T8	10.7	23.2	1	07/21/2023 04:00	WG2098766

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.2		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	160	T8	11.2	24.3	1.01	07/21/2023 05:24	WG2098766

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	99.3	T8	10.7	23.2	1	07/21/2023 05:41	WG2098766

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.7		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	211	T8	10.7	23.3	1	07/21/2023 05:58	WG2098766

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.0		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	138	T8	10.9	23.8	1	07/21/2023 06:15	WG2098766

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	487	T8	10.9	23.6	1	07/21/2023 06:32	WG2098766

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

[L1637242-01,02,03,04,05,06](#)

Method Blank (MB)

(MB) R3951075-1 07/20/23 17:05

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Total Solids	0.00100			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1637242-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1637242-03 07/20/23 17:05 • (DUP) R3951075-3 07/20/23 17:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Total Solids	86.3	86.6	1	0.332		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3951075-2 07/20/23 17:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Total Solids	50.0	50.0	100	85.0-115	

⁹Sc

Method Blank (MB)

(MB) R3951132-1 07/20/23 20:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1634929-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1634929-01 07/20/23 22:56 • (DUP) R3951132-3 07/20/23 23:12

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Chloride	59400	61700	10.1	3.71	E	15

L1637242-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1637242-06 07/21/23 06:32 • (DUP) R3951132-6 07/21/23 06:49

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Chloride	487	519	1	6.33		15

Laboratory Control Sample (LCS)

(LCS) R3951132-2 07/20/23 21:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	198	98.9	80.0-120	

L1637242-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1637242-01 07/21/23 04:00 • (MS) R3951132-4 07/21/23 04:17 • (MSD) R3951132-5 07/21/23 05:07

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	581	215	779	773	97.3	96.2	1	80.0-120			0.788	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
T8	Sample(s) received past/too close to holding time expiration.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 4000 N. Big Spring Street, Ste
 401, Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-3946

L11637247

Client Name:	Solaris	Site Manager:	Clair Gonzales, Brittany Long
Project Name:	Bronco		
Project Location: (county, state)	Lea Co, NM	Project #:	212C-MD-02820
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:		Sampler Signature:	Carlos Tomlinson
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

G186

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As B Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
		YEAR:		WATER	SOIL	HCL	HNO ₃	ICE																						
		DATE	TIME																											

	Comp. K2 - Flip 3	6/21			X			X		1																	X					101
	Comp. K6 - Flip 3	6/21								1																						102
	Comp. L4 - Flip 3	6/21								1																						103
	Comp. M3 - Flip 3	6/21								1																						104
	Comp. M6 - Flip 3	6/21								1																						105
	Comp. N5 - Flip 3	6/21								1																						106
												</																				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<i>[Signature]</i>	7/19/23	8:43am	<i>[Signature]</i>	7/19/23	1700
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<i>[Signature]</i>			<i>[Signature]</i>	7/20/23	0800
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

 Sample Temperature
 68.6
 40-11.6

REMARKS:

- ☒ RUSH: Same Day (24 hr) 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Sample Receipt Checklist

COC Seal Present/Intact:	☒ Y ☐ N	If Applicable
COC Signed/Accurate:	☒ Y ☐ N	VOA Zero Headspace:
Bottles Arrive Intact:	☒ Y ☐ N	Pres. Correct/Check:
Sufficient volume sent:	☒ Y ☐ N	

7/20 NCF-L1637242 TETRAHTX

Ro/R1

Time estimate: oh

Time spent: oh

Members

 Nicollev Faulk (responsible) CU Chad Upchurch Christopher McCord

- ☐ Parameter(s) past holding time
- ☒ Temperature not in range
- ☐ Improper container type
- ☐ pH not in range
- ☐ Insufficient sample volume
- ☐ Sample is biphasic
- ☐ Vials received with headspace
- ☐ Broken container
- ☐ Sufficient sample remains
- ☐ If broken container: Insufficient packing material around container
- ☐ If broken container: Insufficient packing material inside cooler
- ☐ If broken container: Improper handling by carrier: _____
- ☐ If broken container: Sample was frozen
- ☐ If broken container: Container lid not intact
- ☐ Client informed by Call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: _____
- ☐ PM initials: _____
- ☐ Client Contact: _____

Comments

Nicolle Faulk

20 July 2023 2:29 PM

received OOT @11.6 all ice melted

Chad Upchurch

21 July 2023 12:27 PM

Per client, please proceed. Rush TAT not needed.

Nicolle Faulk

21 July 2023 12:36 PM

done



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 10, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 08/09/23 14:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	08/09/2023	Sampling Date:	08/09/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP Z - 2 / FLIP 6 (H234265-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP AA - 5 / FLIP 6 (H234265-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP BB - 5 / FLIP 6 (H234265-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP BB - 6 / FLIP 6 (H234265-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/10/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/09/2023
 Reported: 08/10/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP CC - 5 / FLIP 6 (H234265-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/10/2023	ND	432	108	400	0.00		

Sample ID: COMP CC - 6 / FLIP 6 (H234265-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP DD - 3 / FLIP 6 (H234265-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/10/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RX Soil				BILL TO				ANALYSIS REQUEST			
Project Manager: Stan Mickle				P.O. #:							
Address: 105 W Main St				Company: Solaris Water Midstream							
City: Decatur				Attn: Rob Kirk 811 Stacy Hwy Ste 200							
Phone #: (682)-352-1039				Address:							
Fax #:				City: Houston							
State: TX Zip: 76234				State: TX Zip: 77024							
Project #:				Phone #: 467-978-5620							
Project Name: Bronco Revelation				Fax #: robkirk@solariswater.com							
Project Location: Lea County											
Sample Name: Jason Cave											

FOR LAB USE ONLY		LAB I.D.		SAMPLE I.D.		MATRIX		PRESERV		SAMPLING	
Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Cool Intact	Sample Condition	Observed Temp. °C	Corrected Temp. °C
Sampler - UPS - Bus - Other:											

PLEASE NOTE: Liability and Damages. Customer's liability and client's exclusive remedy for any claim arising from whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise.

Relinquished By:	Date:	Received By:	Date:	Remarks:
[Signature]	8-9-23	[Signature]	8-9-23	* Sample changed as per Newville. Ch 8/10/23
Relinquished By:		Received By:		

REMARKS: email to Rxgroup, Clair.Gonzales@rxgroup.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 11, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 08/10/23 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/10/2023
 Reported: 08/11/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: COMP AA - 2 / FLIP 6 (H234329-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/11/2023	ND	416	104	400	3.77	

Sample ID: COMP BB - 2 / FLIP 6 (H234329-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/11/2023	ND	416	104	400	3.77	

Sample ID: COMP CC - 1 / FLIP 6 (H234329-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/11/2023	ND	416	104	400	3.77	

Sample ID: COMP DD - 1 / FLIP 6 (H234329-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/11/2023	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

CARDINAL
Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 16, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 08/15/23 16:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
STAN MICKLE
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102
Fax To: NA

Received: 08/15/2023
Reported: 08/16/2023
Project Name: BRONCO REVELATION
Project Number: NONE GIVEN
Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: COMP - BB 4 / FLIP 6 (H234411-01)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/16/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: RX SOIL Project Manager: Stan Mickle Address: 105 W Main St. City: Decatur State: TX Zip: 76234 Phone #: (682) 352-1039 Fax #: Project #: Project Owner: Stan Mickle Project Name: Blonds Revelation Project Location: Lea County Sampler Name: Jason Cove		P.O. #: Company: Solars Water Attn: Rob Kilc Address: 9811 Katy Hwy City: Houston State: TX Zip: 77024 Phone #: 409-978-5620 Fax #: (281) 410-1570	
FOR LAB USE ONLY Lab I.D. H334411 Sample I.D. Comp-R34/Fip 6		MATRIX (G)RAB OR (C)OMP ☒ # CONTAINERS ☐ GROUNDWATER ☐ WASTEWATER ☒ SOIL ☐ OIL ☐ SLUDGE ☐ OTHER ☒ ACID/BASE ☒ ICE / COOL ☐ OTHER	PRESERV SAMPLING DATE 8/15 TIME 9:00 X Chloride
Relinquished By: [Signature] Date: 8-15-23 Time: 1639 Received By: [Signature] Date: 8-15-23 Time: 1639		Vertical Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sample - UPS - Bus - Other:		Observed Temp. °C 2.6 Corrected Temp. °C Sample Condition ☒ Cool ☐ Intact ☒ Yes ☐ No CHECKED BY: [Signature] (Initials)	
REMARKS: Email to RX9000, Lab, Gonzalez@tetra-tech.com Britany Long Standard ☐ Bacteria (only) Sample Condition Thermometer ID #4440 ☒ Cool Intact Correction Factor #4440-815/23 ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C		Turnaround Time: Standard ☐ Rush ☒ Thermometer ID #4440 ☒ Cool Intact Correction Factor #4440-815/23 ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C	

FORM-006 REV 3/07/10/22

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 30, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 08/29/23 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/29/2023
 Reported: 08/30/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP EE - 1 / FLIP 7 (H234705-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/30/2023	ND	432	108	400	0.00	

Sample ID: COMP EE - 2 / FLIP 7 (H234705-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/30/2023	ND	432	108	400	0.00		

Sample ID: COMP EE - 3 / FLIP 7 (H234705-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/30/2023	ND	432	108	400	0.00		

Sample ID: COMP FF - 1 / FLIP 7 (H234705-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/30/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/29/2023
 Reported: 08/30/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP FF - 2 / FLIP 7 (H234705-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	08/30/2023	ND	432	108	400	0.00		

Sample ID: COMP FF - 3 / FLIP 7 (H234705-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/30/2023	ND	432	108	400	0.00	

Sample ID: COMP GG - 1 / FLIP 7 (H234705-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/30/2023	ND	432	108	400	0.00		

Sample ID: COMP GG - 2 / FLIP 7 (H234705-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/30/2023	ND	432	108	400	0.00	

Sample ID: COMP GG - 3 / FLIP 7 (H234705-09)

Chloride, SM4500Cl-B			mg/kg								Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Chloride	576	16.0	08/30/2023	ND	432	108	400	0.00				

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 08/29/2023
 Reported: 08/30/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMP HH - 1 / FLIP 7 (H234705-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/30/2023	ND	432	108	400	0.00	

Sample ID: COMP HH - 2 / FLIP 7 (H234705-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/30/2023	ND	432	108	400	0.00	

Sample ID: COMP HH - 3 / FLIP 7 (H234705-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/30/2023	ND	432	108	400	0.00		

Sample ID: COMP II - 1 / FLIP 7 (H234705-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/30/2023	ND	432	108	400	0.00	

Sample ID: COMP II - 2 / FLIP 7 (H234705-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/30/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
STAN MICKLE
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102
Fax To: NA

Received: 08/29/2023
Reported: 08/30/2023
Project Name: BRONCO REVELATION
Project Number: NONE GIVEN
Project Location: SOLARIS - LEA COUNTY

Sampling Date: 08/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: COMP II - 3 / FLIP 7 (H234705-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/30/2023	ND	432	108	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

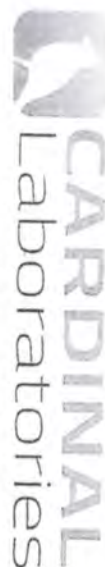
A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**BILL TO**

ANALYSIS REQUEST

~~ORIGIN-000 N.S.S. 07/16/22~~



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RX Soil Project Manager: Stan Mickle Address: 105 W Main St City: Decatur Phone #: (682) - 352-1039 State: TX Zip: 76234 Project #: Project Name: Bronco Revelation Project Location: Lea County Sample Name: Tristan Turley				P.O. #: Company: Solari's Water Midstream Attn: Rob Kirk Address: 9811 Kaiti Fwy Ste 700 City: Houston State: TX Zip: 77024 Phone #: 469-978-5620 Fax #: 281-469-5620			
FOR LAB USE ONLY				ANALYSIS REQUEST			
Lab I.D. H234705		Sample I.D.		Matrix ☐ (G)RAB OR (C)OMP. ☐ # CONTAINERS ☐ GROUNDWATER ☐ WASTEWATER ☐ SOIL ☐ OIL ☐ SLUDGE ☐ OTHER : ☐ ACID/BASE: ☐ ICE / COOL ☐ OTHER :		Preserv ☐ DATE ☐ TIME	
11 Comp HH-2 / Flip 7 12 Comp HH-3 / Flip 7 13 Comp II-1 / Flip 7 14 Comp II-2 / Flip 7 15 Comp II-3 / Flip 7		C 1 S S S S		8/29 7:30 AM		Chlorides	
PLEASE NOTE: Liability and Damages. Contaminant liability and client's exclusive remedy for any claim arising under this contract shall be deemed waived unless a written and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.				REMARKS: email to R-group, Clar, Gonzalez@tetratech.com Brittany.Long@tetratech.com			
Relinquished By: [Signature] Date: 8-29-23		Received By: [Signature] Date: 8-29-23		Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:		Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No	
Relinquished By: [Signature] Date: 8-29-23		Received By: [Signature] Date: 8-29-23		Observed Temp. °C: 23 Corrected Temp. °C:		Turnaround Time: Standard ☐ Rush ☒	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 23 Corrected Temp. °C:		Thermometer ID #: 440 Correction Factor: 0.00		Bacteria (only): ☐ Bacteria ☐ Intact ☐ Yes ☐ No	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 05, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO WATER RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/02/23 10:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 05/02/2023
Reported: 05/05/2023
Project Name: BRONCO WATER RELEASE
Project Number: 212C-MD-02820
Project Location: SOLARIS - LEA COUNTY, NM

Sampling Date: 05/01/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: C-A1-F1 DUP (H232146-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/03/2023	ND	400	100	400	3.92	

Sample ID: C-A3-F1 DUP (H232146-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	05/03/2023	ND	400	100	400	3.92	

Sample ID: C-A4-F1 DUP (H232146-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/04/2023	ND	400	100	400	3.92	

Sample ID: C-A2-F1 DUP (H232146-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/04/2023	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/02/2023	Sampling Date:	05/01/2023
Reported:	05/05/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: C-B6-F1 DUP (H232146-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	05/04/2023	ND	400	100	400	3.92		

Sample ID: C-A5-F1 DUP (H232146-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	05/04/2023	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Solaris Site Manager: Brittany Long

Project Name: Bronco Water Release (432) 741-5813

Project Location: Lea County, NM Project #: Brittany.long@tetratech.com

Invoice to: Solaris Attn: Rob Kirk 212C-MD-02820

Receiving Laboratory: Cardinal Labs Sampler Signature: Jorge Fernandez

Comments:

H232146		LAB #		LAB USE ONLY		SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS		FILTERED (Y/N)		BTEX 8021B BTEX 8260B		TPH TX1005 (Ext to C35)		TPH 8015M (GRO - DRO - ORO - MRO)		PAH 8270C		Total Metals Ag As Ba Cd Cr Pb Se Hg		TCLP Metals Ag As Ba Cd Cr Pb Se Hg		TCLP Volatiles		TCLP Semi Volatiles		RCI		GC/MS Vol. 8260B / 624		GC/MS Semi. Vol. 8270C/625		PCB's 8082 / 608		NORM		PLM (Asbestos)		Chloride		Chloride Sulfate		General Water Chemistry (see attached list)		Anion/Cation Balance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
								DATE		TIME		WATER		SOIL		HCL		HNO3		ICE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Relinquished by: Date: Time: 1040

Relinquished by: Date: Time: 5/1/23 5:00pm

Relinquished by: Date: Time: Received by: Date: Time: 5-3-23

LAB USE ONLY

Sample Temperature: 4.0°C

REMARKS: Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

ORIGINAL COPY



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 17, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BRONCO WATER RELEASE REVELATION POND

Enclosed are the results of analyses for samples received by the laboratory on 05/11/23 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: COMP - F2 - FLIP 2-DUP (H232379-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/15/2023	ND	416	104	400	0.00	

Sample ID: COMP - G3 - FLIP 2-DUP (H232379-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/15/2023	ND	416	104	400	0.00	

Sample ID: COMP - H4 - FLIP 2-DUP (H232379-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/15/2023	ND	416	104	400	0.00	

Sample ID: COMP - I5 - FLIP 2-DUP (H232379-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/15/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE REVELATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shari Cisneros
Project Location:	SOLARIS - EDDY COUNTY, NM		

Sample ID: COMP - J6 - FLIP 2-DUP (H232379-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	05/15/2023	ND	416	104	400	0.00		

Sample ID: COMP - F4 - FLIP 2-DUP (H232379-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/15/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page 1 of 1

Page 5 of 5

Client Name: Solaris Water Midstream		Site Manager: Brittany Long	
Project Name: Bronco Water Revelation Pond		Project #: 212C-MD-02820	
Project Location: Eddy County, New Mexico			
Invoice to: Solaris ATTN: Rob Kirk		Sampler Signature: Ivan Ramos	
Receiving Laboratory: Cardinal Laboratory			
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
1	Comp-F2-Flip 2-DUP	5/1/2023		X				X	
2	Comp-G3-Flip 2-DUP	5/1/2023		X				X	
3	Comp-H4-Flip 2-DUP	5/1/2023		X				X	
4	Comp-I5-Flip 2-DUP	5/1/2023		X				X	
5	Comp-J6-Flip 2-DUP	5/1/2023		X				X	
6	Comp-F4-Flip 2-DUP	5/1/2023		X				X	

LAB USE ONLY	REMARKS
Relinquished by: <i>Shawn Ramos</i> Date: 5-11-23 @ 5:11:00 PM Relinquished by: <i>Shawn Ramos</i> Date: 5/1/23 Relinquished by: <i>Shawn Ramos</i> Date: 5/1/23 Relinquished by: <i>Shawn Ramos</i> Date: 5/1/23	Received by: <i>Shawn Ramos</i> Date: 5/1/23 17:00 Received by: <i>Shawn Ramos</i> Date: 5/1/23 Received by: <i>Shawn Ramos</i> Date: 5/1/23 Received by: <i>Shawn Ramos</i> Date: 5/1/23

LAB USE ONLY	ANALYSIS REQUEST (Circle or Specify Method No.)
Sample Temperature: <i>6.2</i> C-0.6 S-0.6 #13	BTEX 8021B BTEX 8260B
	TPH TX1005 (Ext to C35)
	TPH 8015M (GRO - DRO - ORO - MRO)
	PAH 8270C
	Total Metals Ag As Ba Cd Cr Pb Se Hg
	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
	TCLP Volatiles
	TCLP Semi Volatiles
	RCI
	GC/MS Vol. 8260B / 624
	GC/MS Semi. Vol. 8270C/625
	PCB's 8082 / 608
	NORM
	PLM (Asbestos)
	Chloride
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
Hold	

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 22, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: BRONCO REVELATION

Enclosed are the results of analyses for samples received by the laboratory on 06/22/23 9:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 06/22/2023
 Reported: 06/22/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 06/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP - FLIP 3 / K2 (H233232-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/22/2023	ND	416	104	400	7.41	

Sample ID: COMP - FLIP 3 / K5 (H233232-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2023	ND	416	104	400	7.41	

Sample ID: COMP - FLIP 3 / K6 (H233232-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2023	ND	416	104	400	7.41	

Sample ID: COMP - FLIP 3 / L4 (H233232-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2023	ND	416	104	400	7.41	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 06/22/2023
 Reported: 06/22/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 06/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP - FLIP 3 / L5 (H233232-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/22/2023	ND	416	104	400	3.92		

Sample ID: COMP - FLIP 3 / L6 (H233232-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2023	ND	416	104	400	3.92	

Sample ID: COMP - FLIP 3 / M2 (H233232-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/22/2023	ND	416	104	400	3.92	

Sample ID: COMP - FLIP 3 / M3 (H233232-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/22/2023	ND	416	104	400	3.92	

Sample ID: COMP - FLIP 3 / M4 (H233232-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2023	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 06/22/2023
 Reported: 06/22/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 06/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP - FLIP 3 / M5 (H233232-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/22/2023	ND	416	104	400	3.92		

Sample ID: COMP - FLIP 3 / M6 (H233232-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/22/2023	ND	416	104	400	3.92		

Sample ID: COMP - FLIP 3 / N2 (H233232-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	06/22/2023	ND	416	104	400	3.92		

Sample ID: COMP - FLIP 3 / N3 (H233232-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/22/2023	ND	416	104	400	3.92		

Sample ID: COMP - FLIP 3 / N4 (H233232-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	06/22/2023	ND	416	104	400	3.92		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RX-SOIL INC.
 STAN MICKLE
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received: 06/22/2023
 Reported: 06/22/2023
 Project Name: BRONCO REVELATION
 Project Number: NONE GIVEN
 Project Location: SOLARIS - LEA COUNTY

Sampling Date: 06/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: COMP - FLIP 3 / N5 (H233232-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	06/22/2023	ND	416	104	400	3.92	

Sample ID: COMP - FLIP 3 / O4 (H233232-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/22/2023	ND	416	104	400	3.92	

Sample ID: COMP - FLIP 3 / O5 (H233232-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/22/2023	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celeyn.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RR Soil		P.O. #:		BILL TO								ANALYSIS REQUEST													
Project Manager: Stan Mickel		Address: 105 W Main St.		City: Deer		State: TX		Zip: 76234		Company: Solaris Water		Attn: Rob Kirk		Address: 8811 Katy Pkwy		City: Houston		State: TX		Zip: 77024		Phone #: 461-978-8220		Fax #: (661) 978-8220	
Project #: (682) 352-1039		Fax #: (682) 352-1039		Project Owner: Stan Mickel		City: Houston		State: TX		Zip: 77024		Phone #: 461-978-8220		Fax #: (661) 978-8220		Project Name: Bionco Revelation		Project Location: Lee County		Sampler Name: Joselyn Cole		FOR LAB USE ONLY			
Lab I.D. 40333333		Sample I.D. 11		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :	
11		Comp - Flip 3 / M6		C 1		1		X		1		1		1		1		1		1		1		1	
12		Comp - Flip 3 / M2		C 1		1		X		1		1		1		1		1		1		1		1	
13		Comp - Flip 3 / M3		C 1		1		X		1		1		1		1		1		1		1		1	
14		Comp - Flip 3 / M4		C 1		1		X		1		1		1		1		1		1		1		1	
15		Comp - Flip 3 / M5		C 1		1		X		1		1		1		1		1		1		1		1	
16		Comp - Flip 3 / O4		C 1		1		X		1		1		1		1		1		1		1		1	
17		Comp - Flip 3 / O5		C 1		1		X		1		1		1		1		1		1		1		1	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Stan Mickel	Date: 02/23/23	Received By: Joselyn Cole	Date: 02/23/23
Relinquished By: Stan Mickel	Date: 02/23/23	Received By: Joselyn Cole	Date: 02/23/23

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Thermometer ID #113	Correction Factor -0.6°C
Sampler - UPS - Bus - Other:	-10.4	-7.0	Cool Intact	Stan Mickel	Standard	84	84

REMARKS: email **RR Soils** Chlor. bioncoles@tetra-tech.com

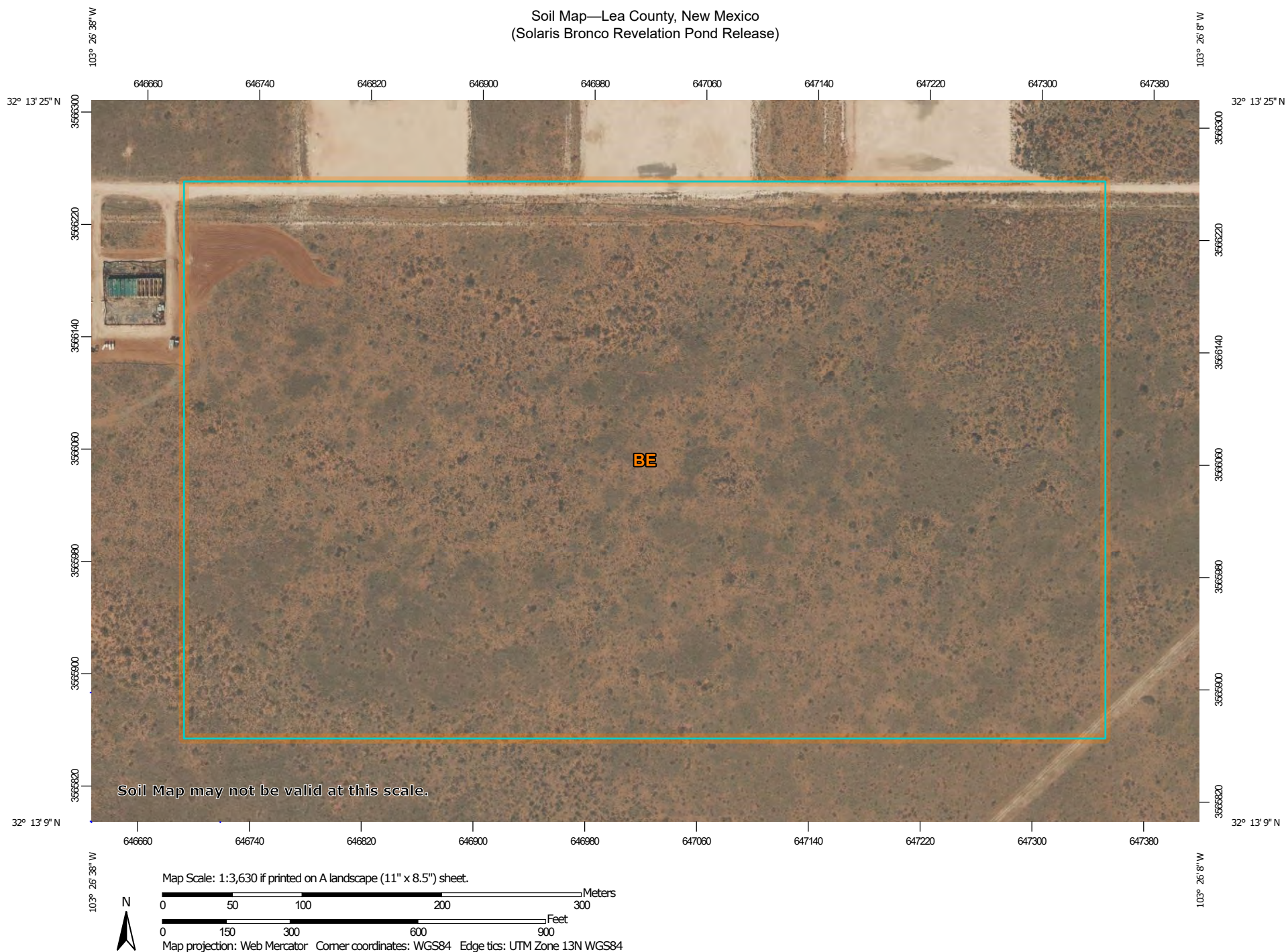
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



Appendix H

Soil Survey Data

Soil Map—Lea County, New Mexico
(Solaris Bronco Revelation Pond Release)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

10/11/2022
Page 1 of 3

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

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

Solaris Bronco Revelation Pond
Release*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

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

Solaris Bronco Revelation Pond
Release

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 289335

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 289335
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	Area at eastern corner of pond represented by sample ID SW-35 is approved for deferral. Site will need to be remediated and then reclaimed at time of a major facility deconstruction or at plugging and abandonment, whichever comes first.	2/28/2024