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@tetratech.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*

TETRA TECH

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.

TETRA TECH

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-mill 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 NMOCD 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.

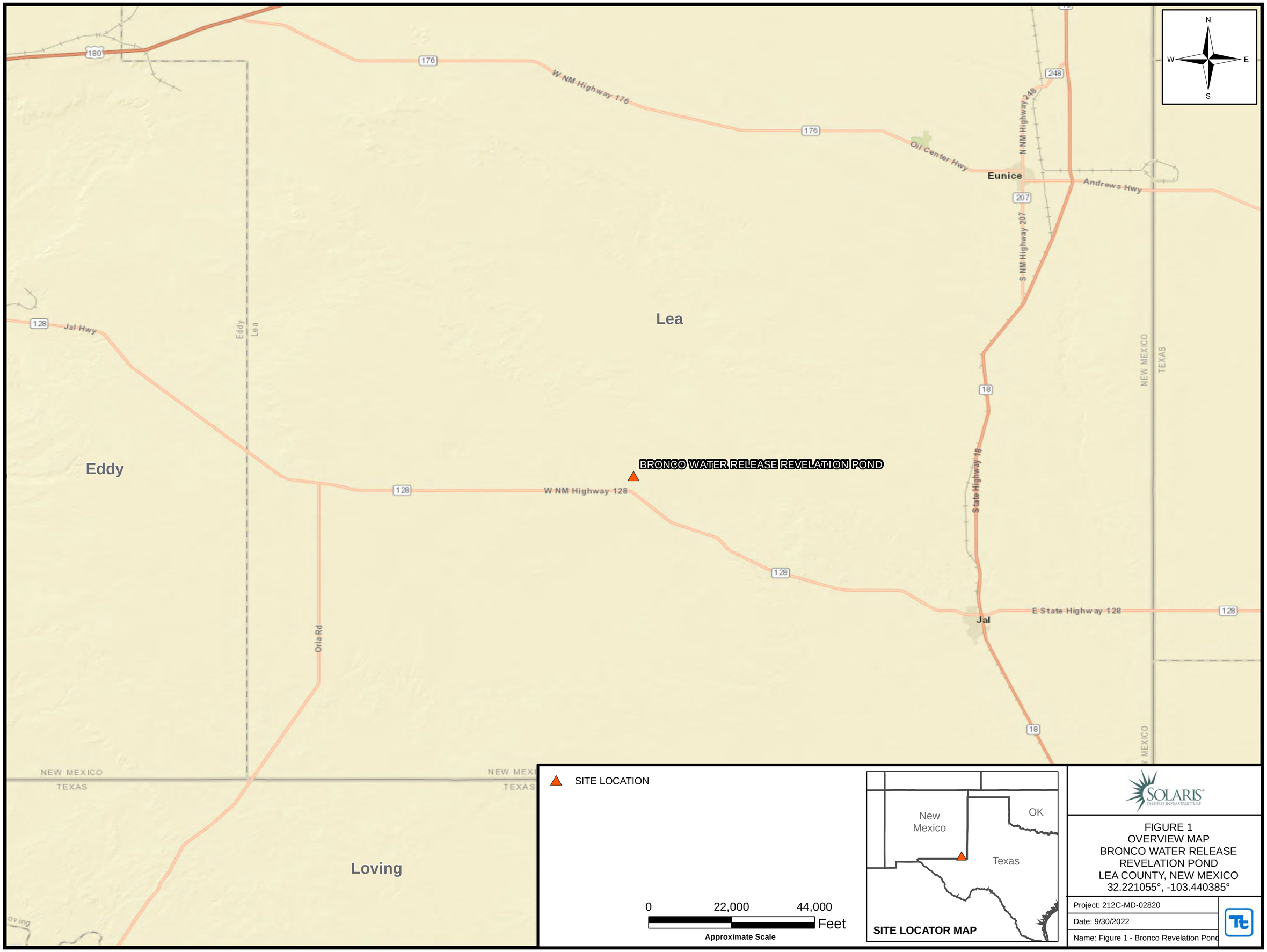
Respectfully submitted,
TETRA TECH

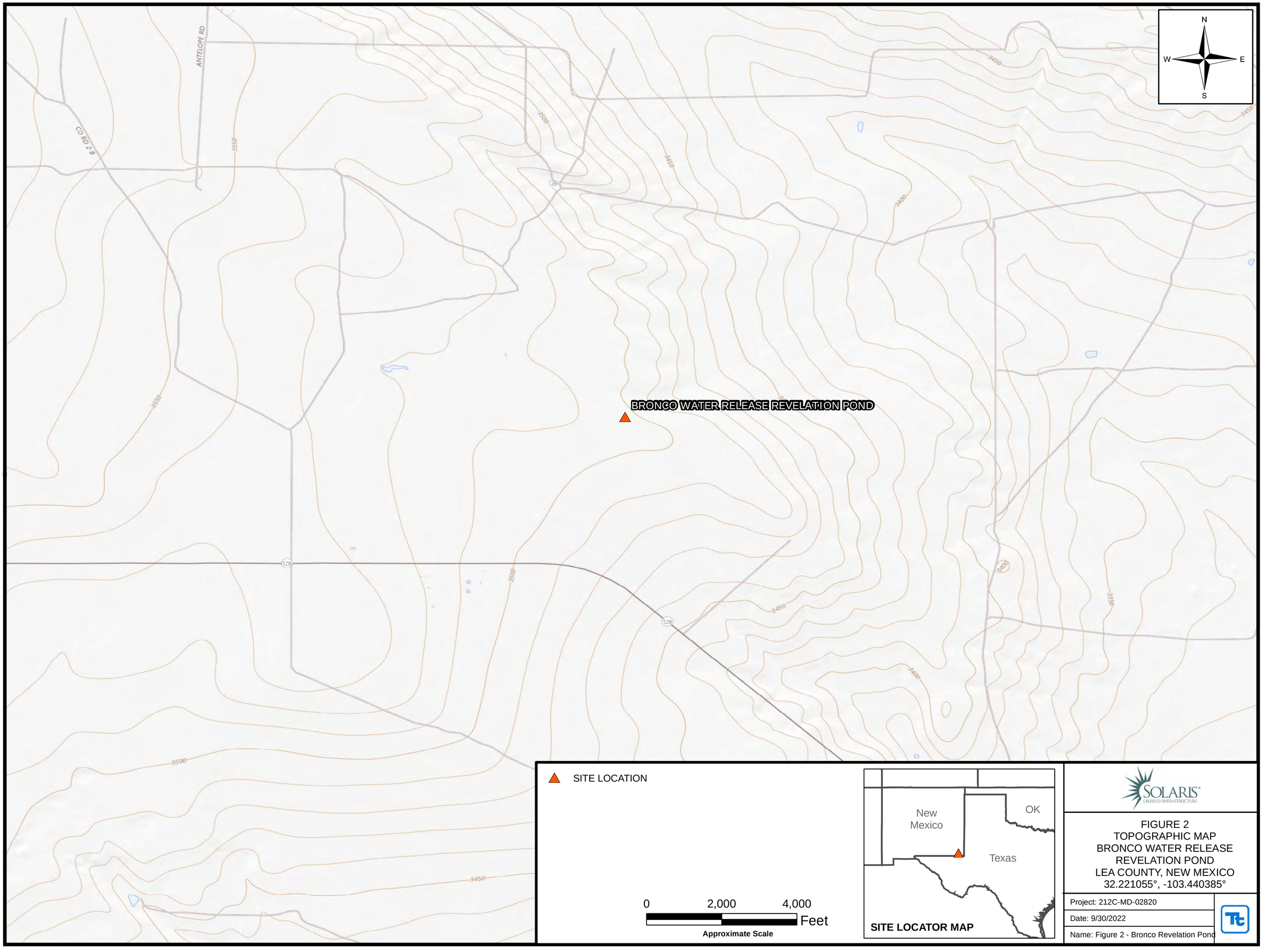
Brittany Long,
Project Manager

Clair Gonzales, P.G.
Senior Project Manager

TETRA TECH

Figures


N
W
E
S
180
176
W NM Highway 176
176
Oil Center Hwy
Eunice
248
N NM Highway 248
Andrews Hwy
207
S NM Highway 207
Lea
Eddy
Lea
128
Jal Hwy
NEW MEXICO
TEXAS
18
State Highway 18
BRONCO WATER RELEASE REVELATION POND
Eddy
W NM Highway 128
128
E State Highway 128
Jal
Orla Rd
NEW MEXICO
TEXAS
Loving
SITE LOCATION
0
22,000
44,000
Feet
Approximate Scale
New Mexico
OK
Texas
SITE LOCATOR MAP
SOLARIS
OILFIELD INFRASTRUCTURE
FIGURE 1
OVERVIEW MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
32.221055°, -103.440385°
Project: 212C-MD-02820
Date: 9/30/2022
Name: Figure 1 - Bronco Revelation Pond



SOLARIS OILFIELD INFRASTRUCTURE

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

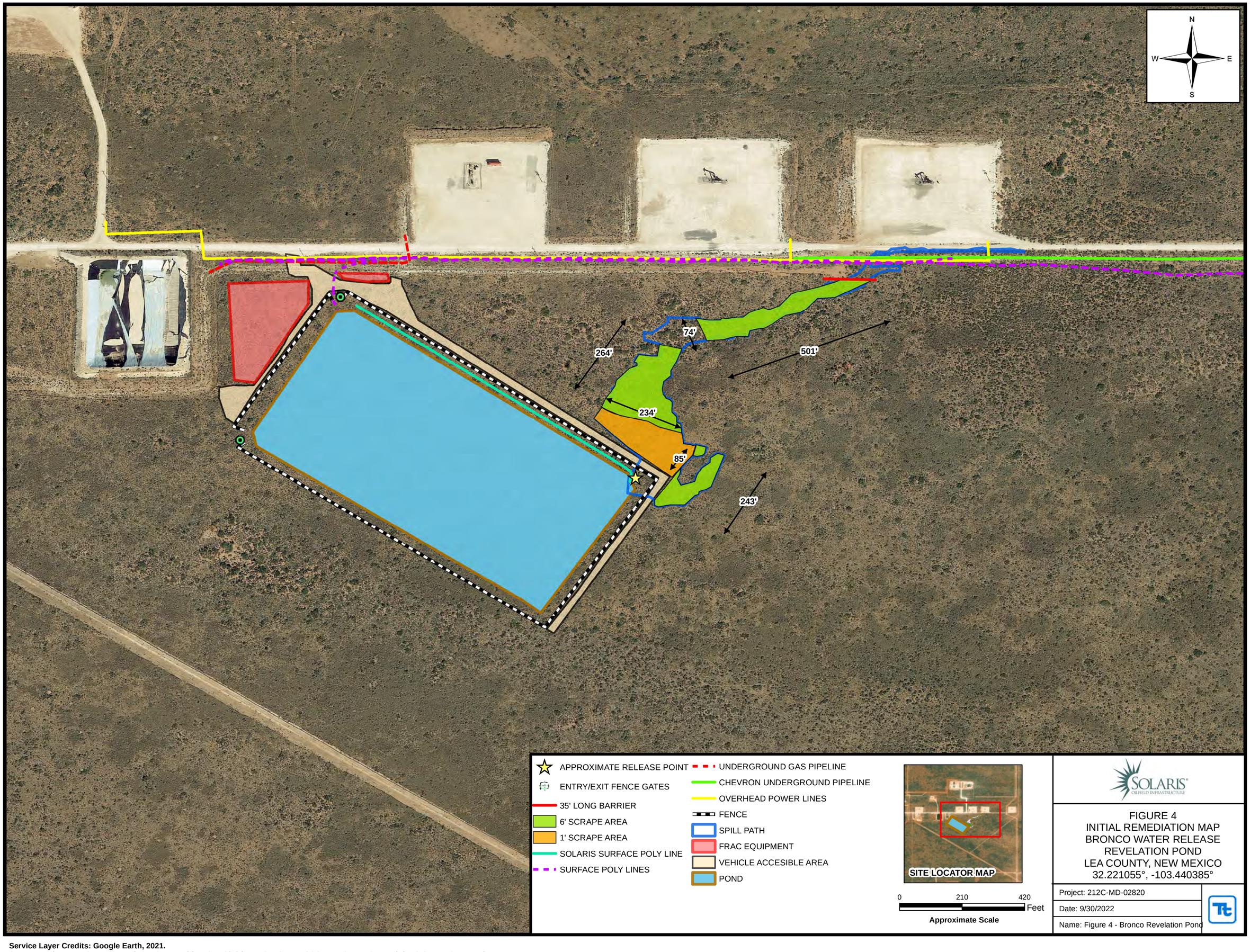
Name: Figure 2 - Bronco Revelation Pond

SOLARIS OILFIELD INFRASTRUCTURE

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

Project: 212C-MD-02820	
Date: 11/10/2023	
Name: Figure 3 - 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

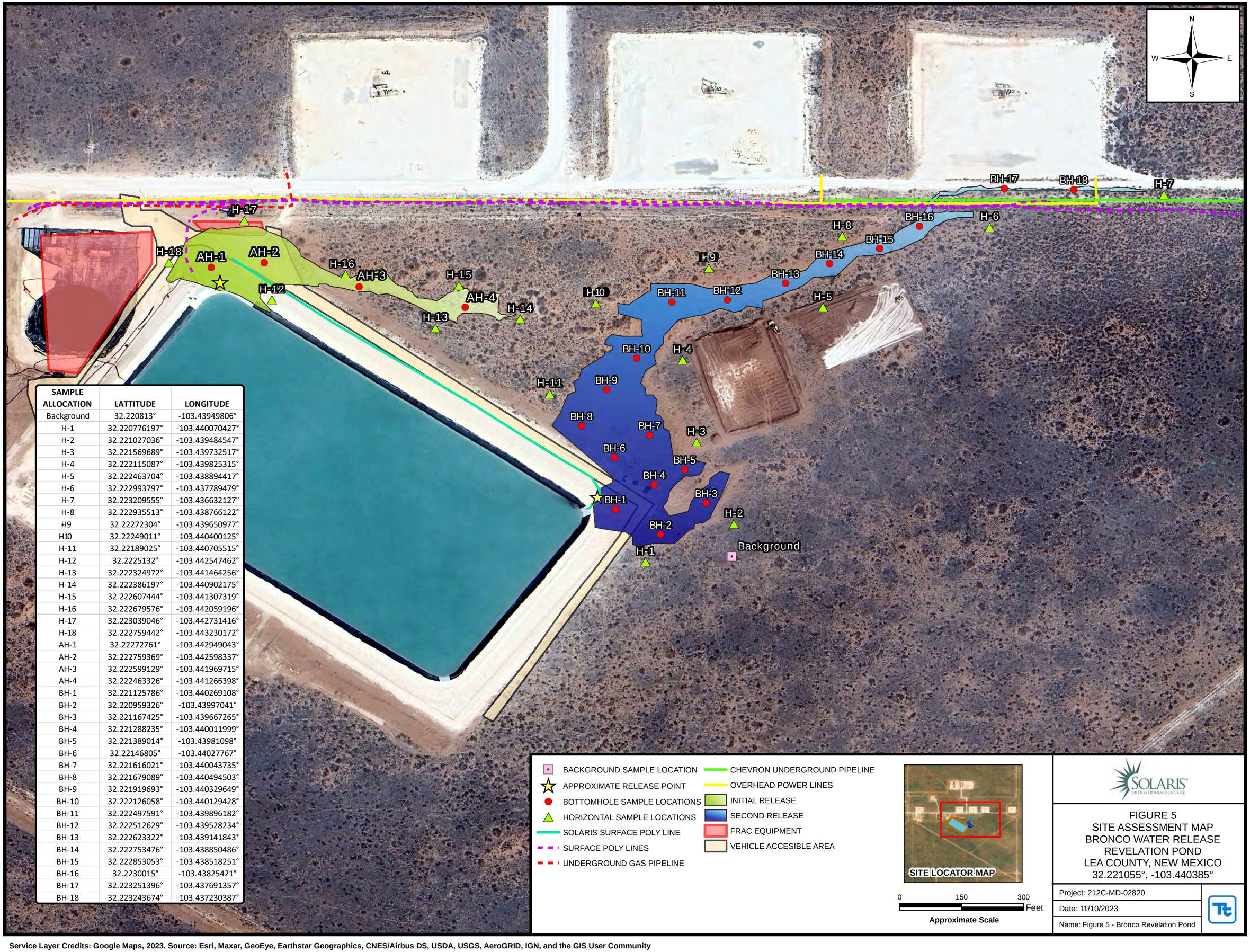


SOLARIS OILFIELD INFRASTRUCTURE

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

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

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



SAMPLE ALLOCATION	LATTITUDE	LONGITUDE
Background	32.220813°	-103.43949806°
H-1	32.220776197°	-103.440070427°
H-2	32.221027036°	-103.439484547°
H-3	32.221569689°	-103.439732517°
H-4	32.222115087°	-103.439825315°
H-5	32.222463704°	-103.438894417°
H-6	32.222993797°	-103.437789479°
H-7	32.223209555°	-103.436632127°
H-8	32.222935513°	-103.438766122°
H9	32.22272304°	-103.439650977°
H10	32.22249011°	-103.440400125°
H-11	32.22189025°	-103.440705515°
H-12	32.2225132°	-103.442547462°
H-13	32.222324972°	-103.441464256°
H-14	32.222386197°	-103.440902175°
H-15	32.222607444°	-103.441307319°
H-16	32.222679576°	-103.442059196°
H-17	32.223039046°	-103.442731416°
H-18	32.222759442°	-103.443230172°
AH-1	32.22272761°	-103.442949043°
AH-2	32.222759369°	-103.442598337°
AH-3	32.222599129°	-103.441969715°
AH-4	32.222463326°	-103.441266398°
BH-1	32.221125786°	-103.440269108°
BH-2	32.220959326°	-103.43997041°
BH-3	32.221167425°	-103.439667265°
BH-4	32.221288235°	-103.440011999°
BH-5	32.221389014°	-103.43981098°
BH-6	32.22146805°	-103.44027767°
BH-7	32.221616021°	-103.440043735°
BH-8	32.221679089°	-103.440494503°
BH-9	32.221919693°	-103.440329649°
BH-10	32.222126058°	-103.440129428°
BH-11	32.222497591°	-103.439896182°
BH-12	32.222512629°	-103.439528234°
BH-13	32.222623322°	-103.439141843°
BH-14	32.222753476°	-103.438850486°
BH-15	32.222853053°	-103.438518251°
BH-16	32.2230015°	-103.43825421°
BH-17	32.223251396°	-103.437691357°
BH-18	32.223243674°	-103.437230387°

BACKGROUND SAMPLE LOCATION
APPROXIMATE RELEASE POINT
BOTTOMHOLE SAMPLE LOCATIONS
HORIZONTAL SAMPLE LOCATIONS
SOLARIS SURFACE POLY LINE
SURFACE POLY LINES
UNDERGROUND GAS PIPELINE

CHEVRON UNDERGROUND PIPELINE
OVERHEAD POWER LINES
INITIAL RELEASE
SECOND RELEASE
FRAC EQUIPMENT
VEHICLE ACCESIBLE AREA

0 150 300 Feet

Approximate Scale

SOLARIS OILFIELD INFRASTRUCTURE

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

Project: 212C-MD-02820

Date: 11/10/2023

Name: Figure 5 - Bronco Revelation Pond

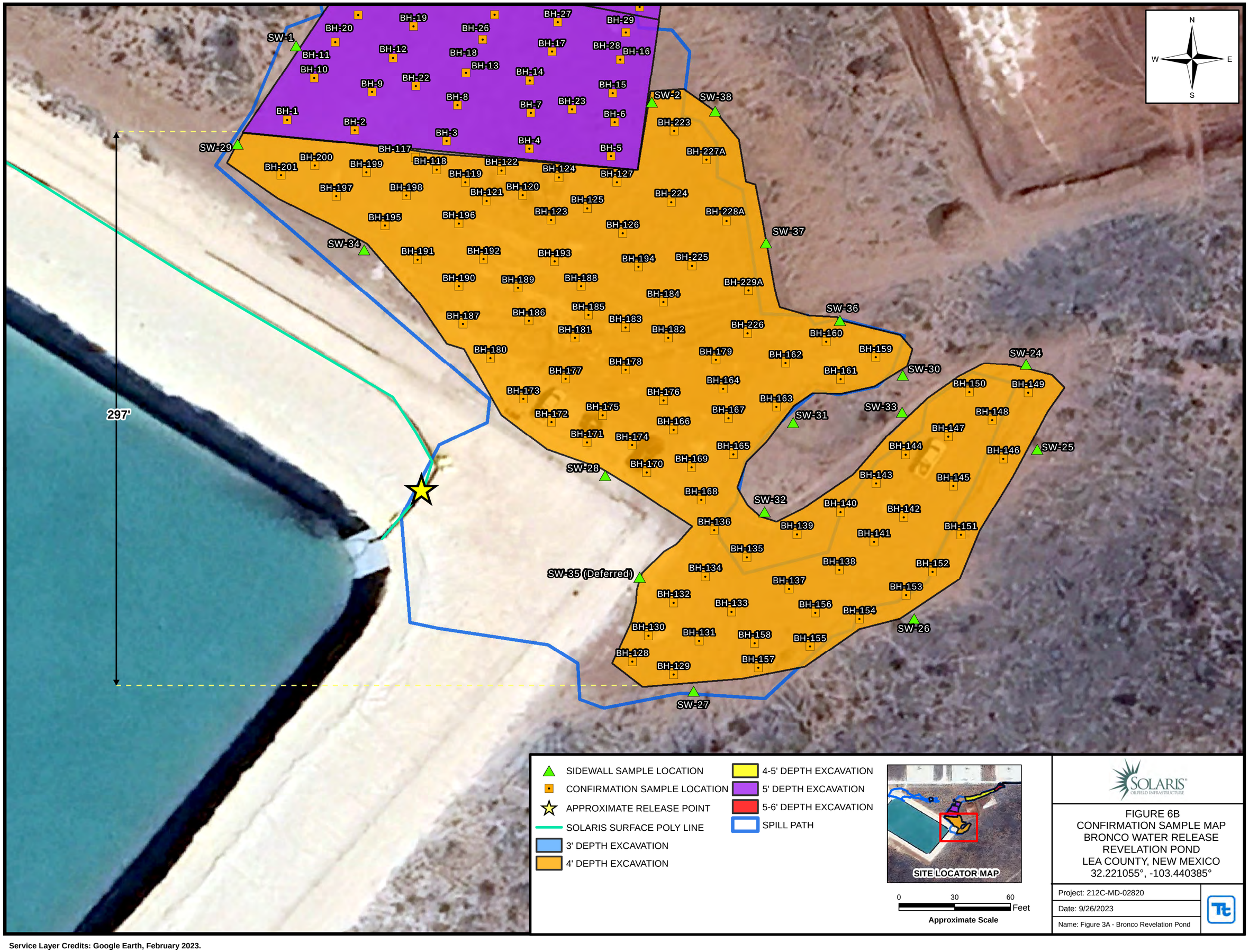
Service Layer Credits: Google Maps, 2023. Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

SOLARIS OILFIELD INFRASTRUCTURE

FIGURE 6A
CONFIRMATION SAMPLE MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
32.221055°, -103.440385°

Project: 212C-MD-02820	
Date: 9/26/2023	
Name: Figure 3A - Bronco Revelation Pond	

Service Layer Credits: Google Earth, February 2023.



SIDEWALL SAMPLE LOCATION
CONFIRMATION SAMPLE LOCATION
APPROXIMATE RELEASE POINT
SOLARIS SURFACE POLY LINE
3' DEPTH EXCAVATION
4' DEPTH EXCAVATION
4-5' DEPTH EXCAVATION
5' DEPTH EXCAVATION
5-6' DEPTH EXCAVATION
SPILL PATH

0 30 60 Feet

Approximate Scale

SOLARIS OILFIELD INFRASTRUCTURE

FIGURE 6B
CONFIRMATION SAMPLE MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
32.221055°, -103.440385°

Project: 212C-MD-02820

Date: 9/26/2023

Name: Figure 3A - Bronco Revelation Pond

Service Layer Credits: Google Earth, February 2023.

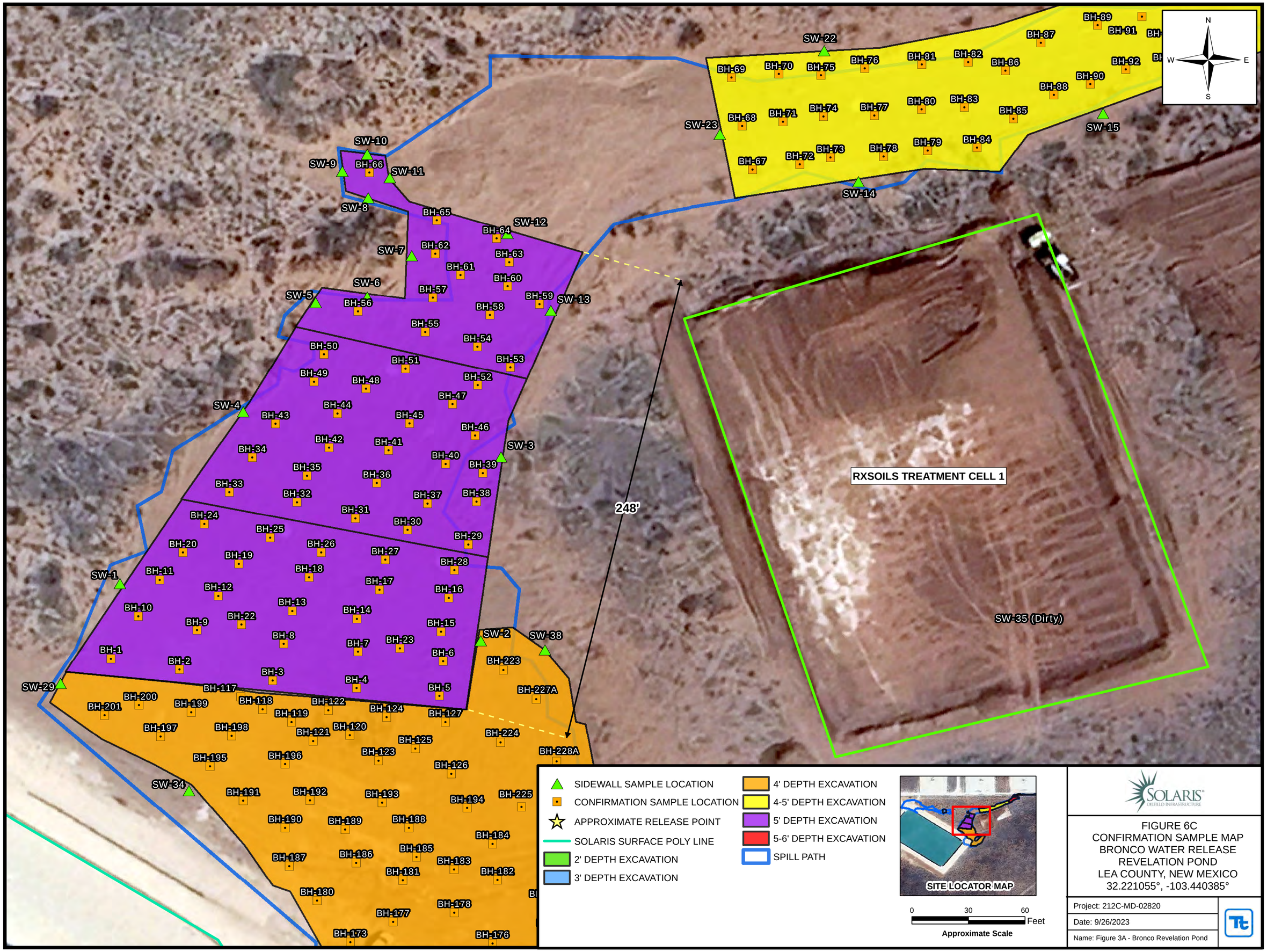
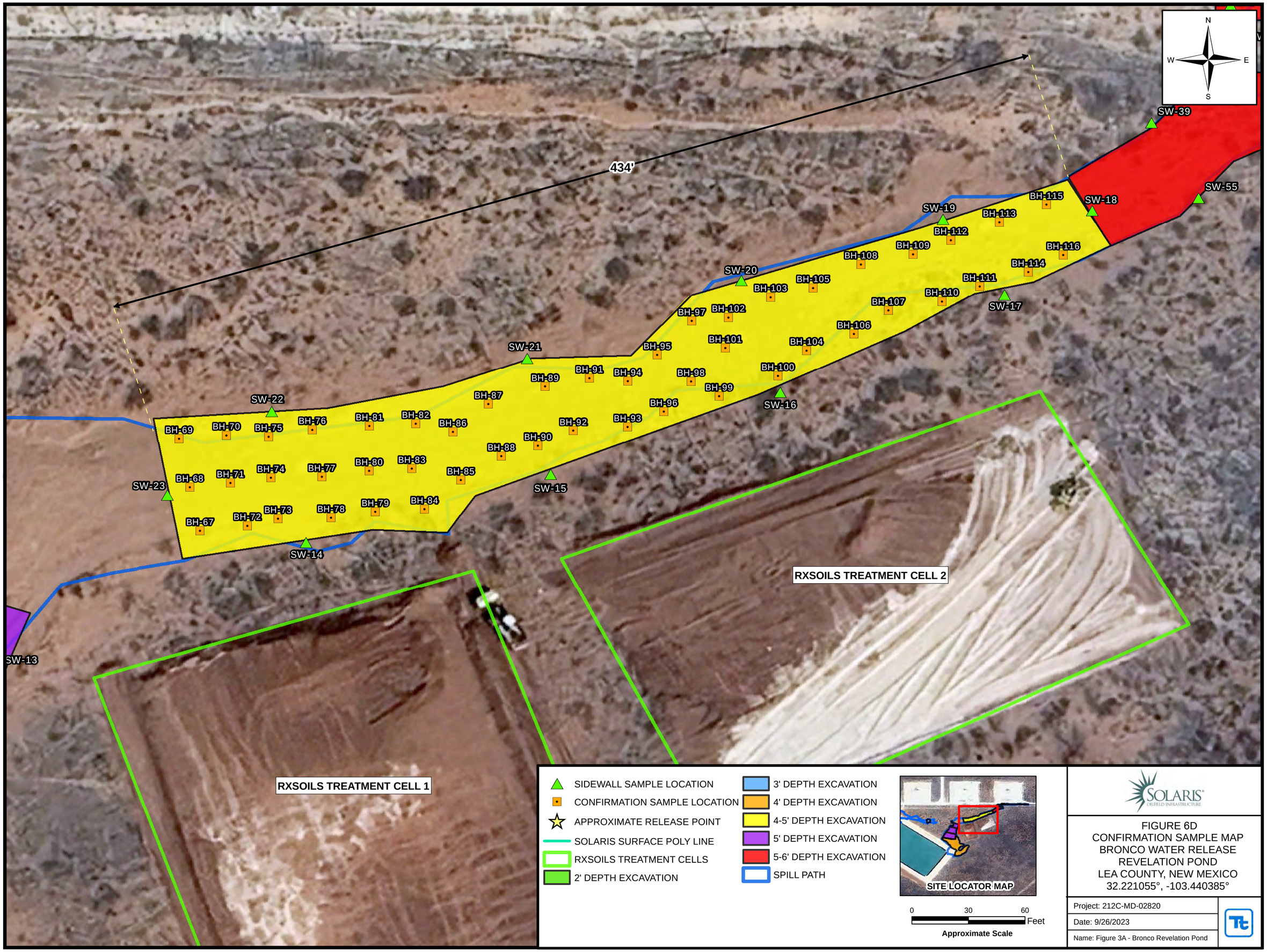


FIGURE 6C
CONFIRMATION SAMPLE MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
32.221055°, -103.440385°

Project:	212C-MD-02820
Date:	9/26/2023
Name:	Figure 3A - Bronco Revelation Pond

Service Layer Credits: Google Earth, February 2023.

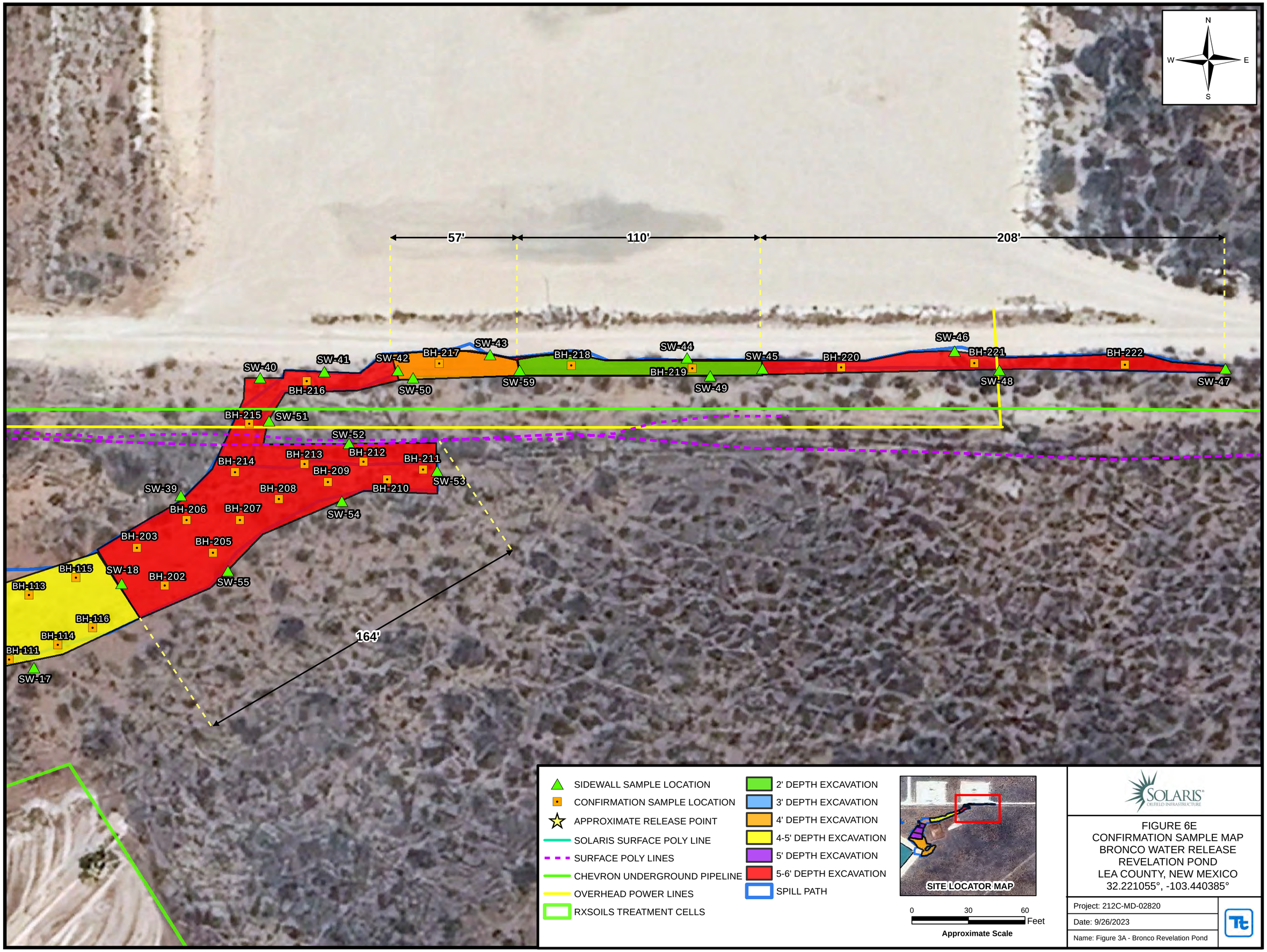


SOLARIS OILFIELD INFRASTRUCTURE

FIGURE 6D
CONFIRMATION SAMPLE MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
32.221055°, -103.440385°

Project: 212C-MD-02820	
Date: 9/26/2023	
Name: Figure 3A - Bronco Revelation Pond	

Service Layer Credits: Google Earth, February 2023.

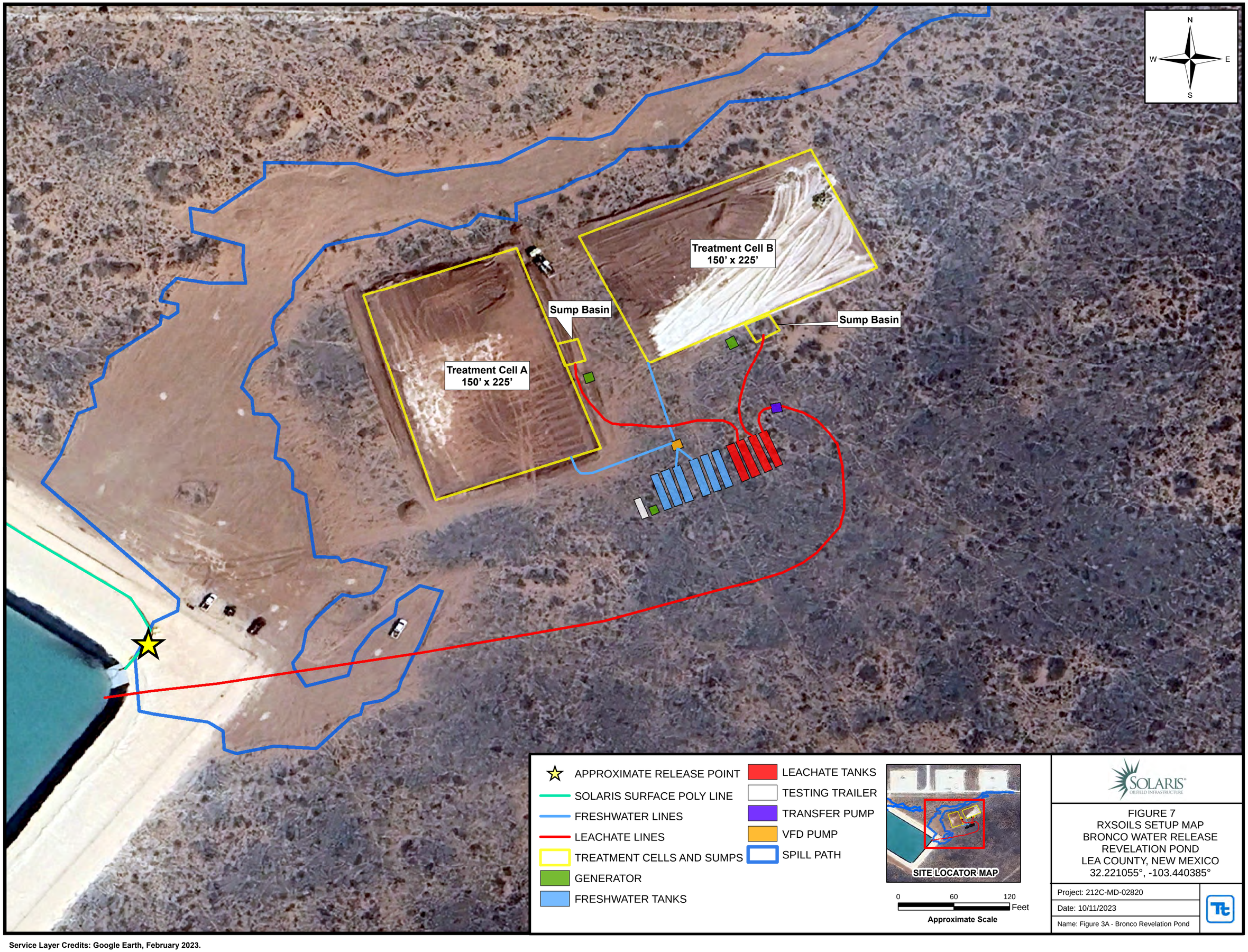


SOLARIS OILFIELD INFRASTRUCTURE

FIGURE 6E
CONFIRMATION SAMPLE MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
32.221055°, -103.440385°

Project:	212C-MD-02820
Date:	9/26/2023
Name:	Figure 3A - Bronco Revelation Pond

Service Layer Credits: Google Earth, February 2023.



SOLARIS OILFIELD INFRASTRUCTURE

FIGURE 7
RXSOILS SETUP MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
32.221055°, -103.440385°

Project:	212C-MD-02820
Date:	10/11/2023
Name:	Figure 3A - Bronco Revelation Pond

Service Layer Credits: Google Earth, February 2023.

TETRA TECH

Tables

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

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-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
	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
BH-3	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
	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
BH-4	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
	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
BH-5	8/24/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**7,430**
	8/24/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**6,090**
	8/24/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	400
	8/24/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	138
	8/24/2022	9'-10'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	137
	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

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			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

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			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

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

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-16	8/22/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**2,420**
	8/22/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**2,960**
	8/22/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,710
	8/22/2022	6'-7'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,700
	8/22/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,080
	8/22/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	470
	8/22/2022	19'-20'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	495
	8/22/2022	24'-25'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	214
	8/22/2022	29'-30'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	0.667
BH-17	8/24/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,370
	8/24/2022	2'-3'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	450
	8/24/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	76.9
	8/24/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.4
	8/24/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	135
BH-18	8/24/2022	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	40.0
	8/24/2022	2'-3'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**616**
	8/24/2022	4'-5'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,250
	8/24/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	102
	8/24/2022	9'-10'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	54.1
BG-1	8/24/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	10.5
	8/24/2022	2'-3'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.2
	8/24/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.60
H-1	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	27.1
H-2	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00404	<0.00200	<0.00401	0.00404	10.3
H-3	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	10.3
H-4	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00398	<0.00200	<0.00399	<0.00399	9.86
H-5	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00375	<0.00200	<0.00401	<0.00401	13.0
H-6	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00317	<0.00199	<0.00398	<0.00398	9.44
H-7	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	0.0140	<0.00200	<0.00399	0.0140	11.2
H-8	8/23/2022	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	0.00829	<0.00201	<0.00402	0.00829	11.4
H-9	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	0.00526	<0.00201	<0.00402	0.00526	9.74
H-10	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00416	<0.00200	<0.00400	0.00416	11.0
H-11	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00694	<0.00199	<0.00398	0.00694	8.19

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

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

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

NOTES
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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

Released to Imaging: 2/28/2024 1:49:44 PM
Received by OCD: 11/29/2023 9:33:14 AM

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

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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-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

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Solaris
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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-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

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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

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			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

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			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

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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-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

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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

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			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

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			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

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			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

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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

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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

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			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

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			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

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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

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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**

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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-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

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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-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 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

Excavated

Deferred

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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

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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 C-1 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp C-2 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	336
Comp C-3 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	416
Comp C-4 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	336
Comp C-5 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	**1,880**
	5/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	448
Comp C-6 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	208
Comp D-1 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	**832**
	5/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	112
Comp D-2 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	**1,380**
	5/8/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	**1,070**
	5/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	304
Comp D-3 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	64.0
Comp D-4 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	128
Comp D-5 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	320
Comp D-6 / Flip 1	5/1/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	528
Comp E-1 / Flip 1	5/3/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	**2,400**
	5/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	576
Comp E-2 / Flip 1	5/3/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	528
Comp E-3 / Flip 1	5/3/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	368
Comp E-4 / Flip 1	5/3/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	240
Comp E-5 / Flip 1	5/3/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	64.0
Comp E-6 / Flip 1	5/3/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	**1,200**
	5/9/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	128
Comp F-1 / Flip 2	5/12/2023	0-4'	X	-	-	-	-	-	-	-	-	-	-	48.0

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			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

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			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

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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

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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

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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

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Bronco Revelation Pond Water Release
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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

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			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

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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

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

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

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Photographic Documentation

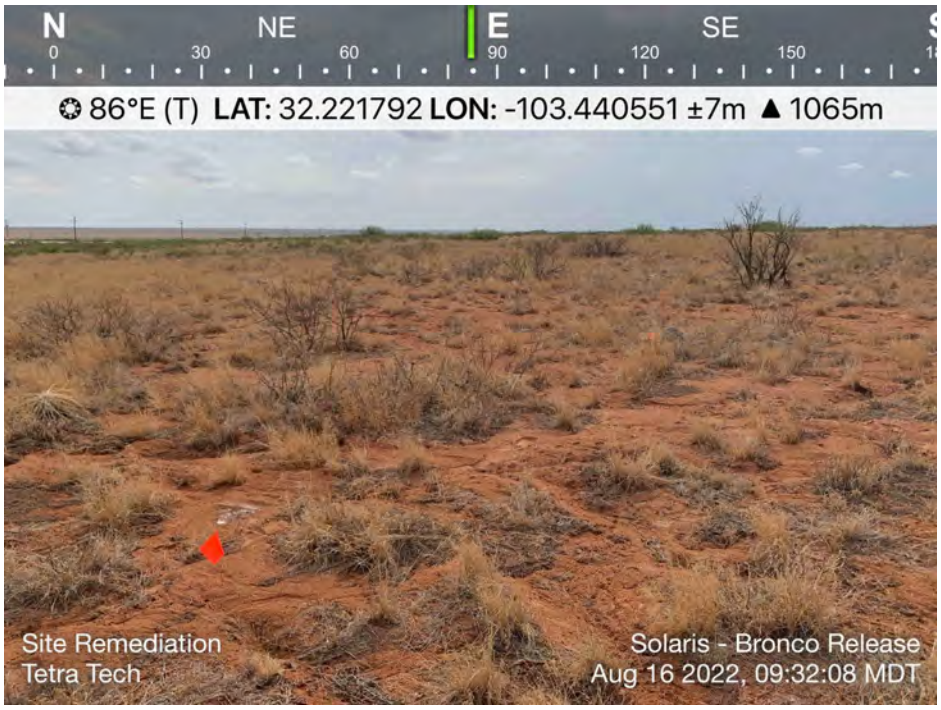
Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico

View of Release Area – View West

View of Release Area – View Northeast

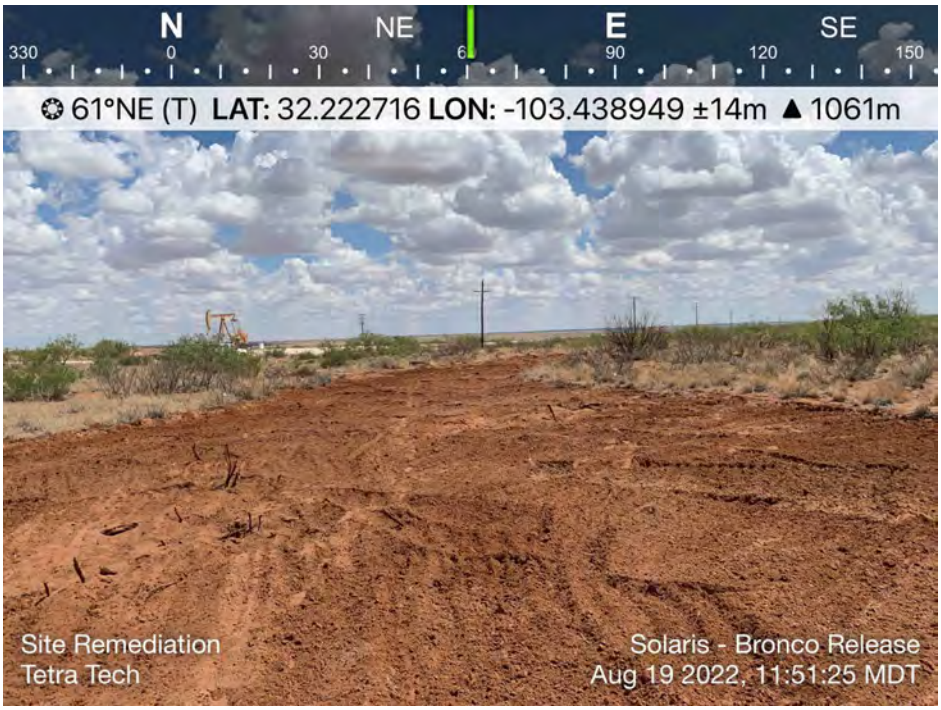
Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico

View of Impact – View North

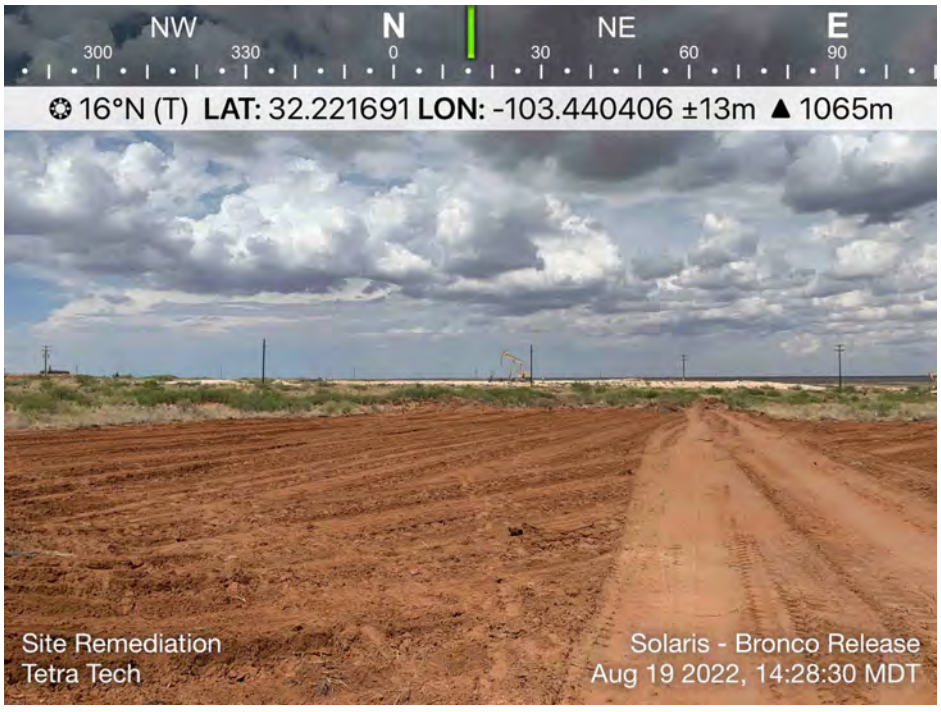


View of Impact – View East

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

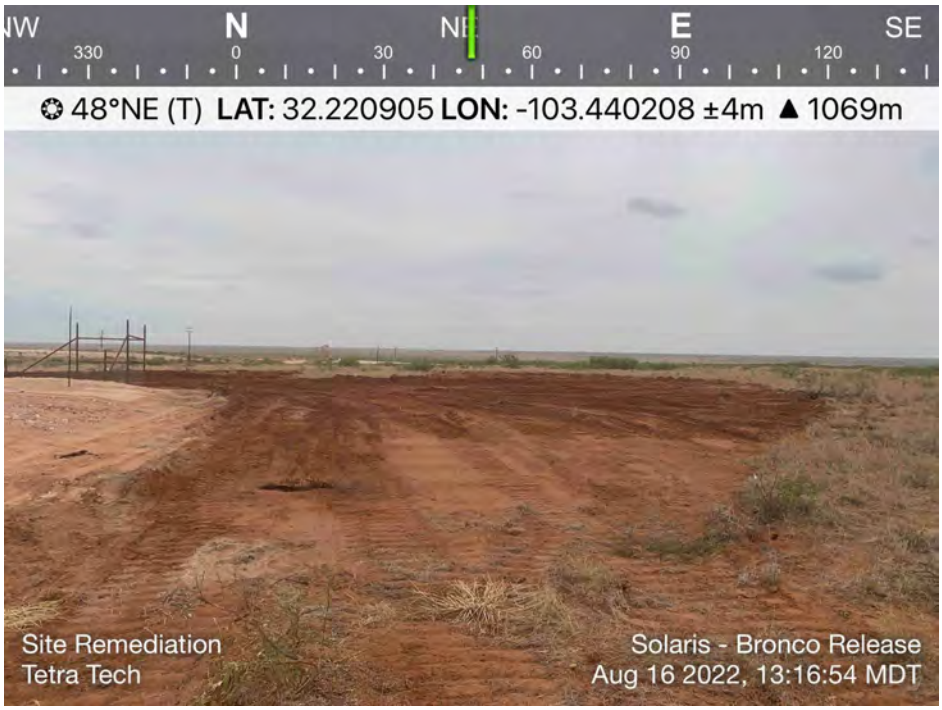


View of Initial Remediation Activities – View Northeast

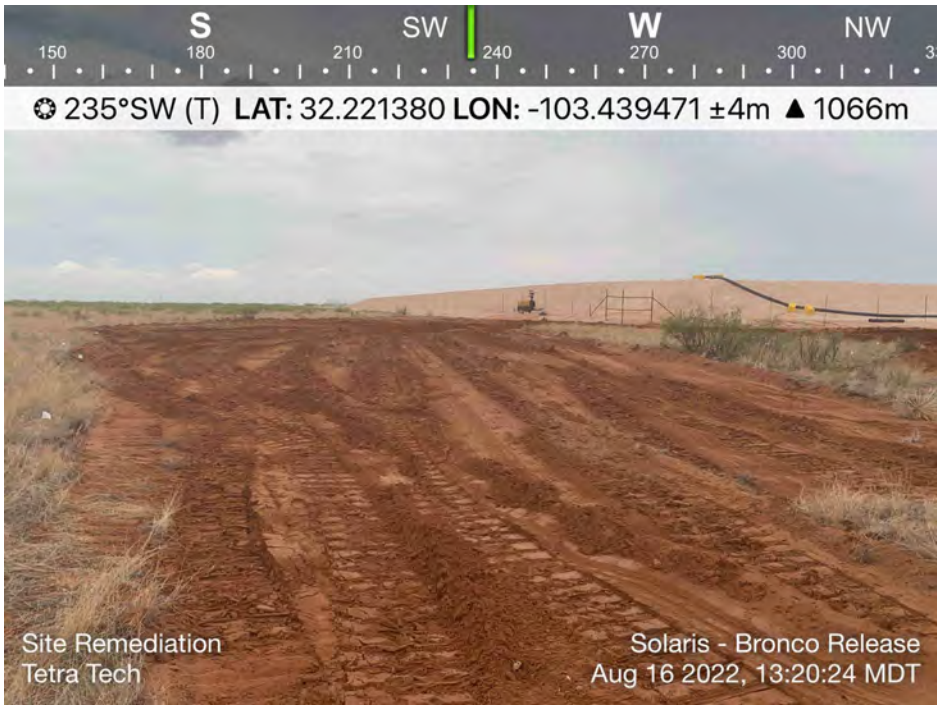


View of Initial Remediation Activities – View North

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

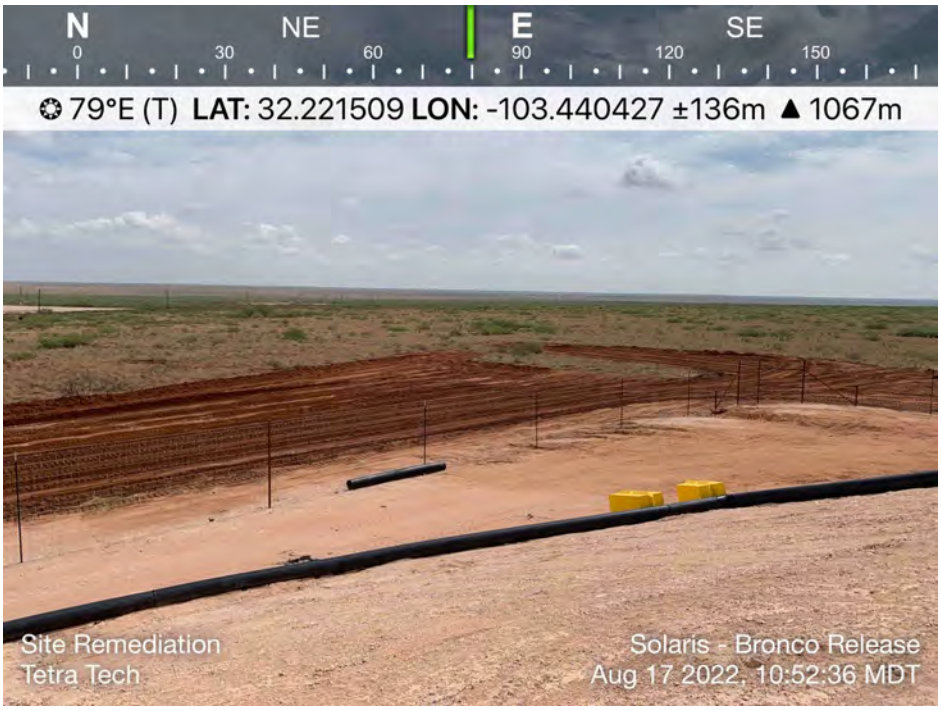


View of Initial Remediation Activities – View Northeast



View of Initial Remediation Activities – View Southwest

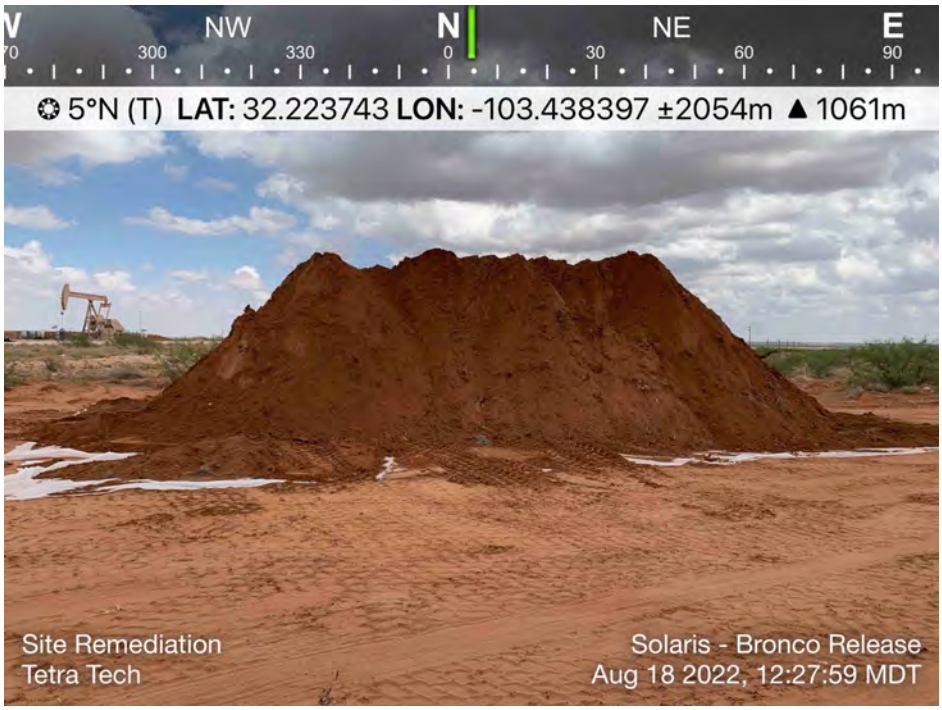
Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico



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



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

TETRA TECH

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

View of Backfilled Area

View of Backfilled Area

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

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

TETRA TECH

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@tetratech.com>;Gonzales, Clair <Clair.Gonzales@tetratech.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@tetratech.com>; Gonzales, Clair <Clair.Gonzales@tetratech.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@tetratech.com>; Gonzales, Clair <Clair.Gonzales@tetratech.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

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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

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

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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@tetratech.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@tetratech.com

Tetra Tech | *Leading with Science®*
901 West Wall Street, Suite 100 Midland, Texas 79701
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TETRA TECH

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Thursday, May 4, 2023 9:06 AM
To: Long, Brittany <Brittany.Long@tetratech.com>
Cc: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Solaris Bronco Relevation Pond Water Release (nAPP2231934031)
Importance: High

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

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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@tetratech.com
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901 West Wall Street, Suite 100 Midland, Texas 79701
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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		

State of New Mexico
Oil Conservation Division

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 not been undertaken, explain why:

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

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

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: _____

State of New Mexico
Oil Conservation Division

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: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

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

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

QUESTIONS

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

Incident Details *Please answer all of the questions in this group.*	
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 *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.*	
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.

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QUESTIONS (continued)

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

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by 19.15.29.7(A) NMAC	**Yes, major release.**
Reasons why this would be considered a submission for a notification of a major release	• 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 Atresia offices, email, Web Portal
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
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.	

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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.

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Santa Fe, NM 87505

CONDITIONS

Action 131922

CONDITIONS

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

CONDITIONS

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

District I
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District II
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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 repor the release as they lack an OGRID number and NMOCD would not provide them with this number for reporting purposes. After conversations with the OCD Artesia office, the OCD position was clarified regarding water transfer companies and reporting releases.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2231934031
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ 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 resposiblity 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 not been undertaken, explain why:

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

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

Printed Name: Rob Kirk
Title: VP & GM, HSE & Compliance
Signature:
Date: 11/15/2022
email: rob.kirk@ariswater.com
Telephone: 469-978-5620

OCD Only

Received by:
Date:

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2231934031
District RP	
Facility ID	
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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: Shelly Wells Date: 11/29/2023

State of New Mexico
Oil Conservation Division

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: Shelly Wells Date: 11/29/2023

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

Closure Approved by: Date:

Printed Name: Title:

TETRA TECH

Appendix C

Site Characterization Documents

Received by OCD: 11/29/2023 9:33:14 AM

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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
0												**-SM-** SAND: Brown, loose, dry	1	
												-- CALICHE: Tan, dense, dry, with occasional thin beds of loose sand and gravel interbeds	4	
5												**-SM-** SAND: Tan, loose, trace gravel, dry	7	
												-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	14	
10														
15												**-SM-** SAND: Light brown, loose, dry	29	
20														
25														
30												**-SM-** SAND: Reddish brown, loose, dry	53	
35														
40														
45														
50														
55												**-SC-** CLAYEY SAND: Red, medium dense, medium plasticity, dry	55	

Bottom of borehole at 55.0 feet.

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

Operation Types: Mud Rotary, Hand Auger, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:
Surface elevation is an estimated value from Google Earth data.

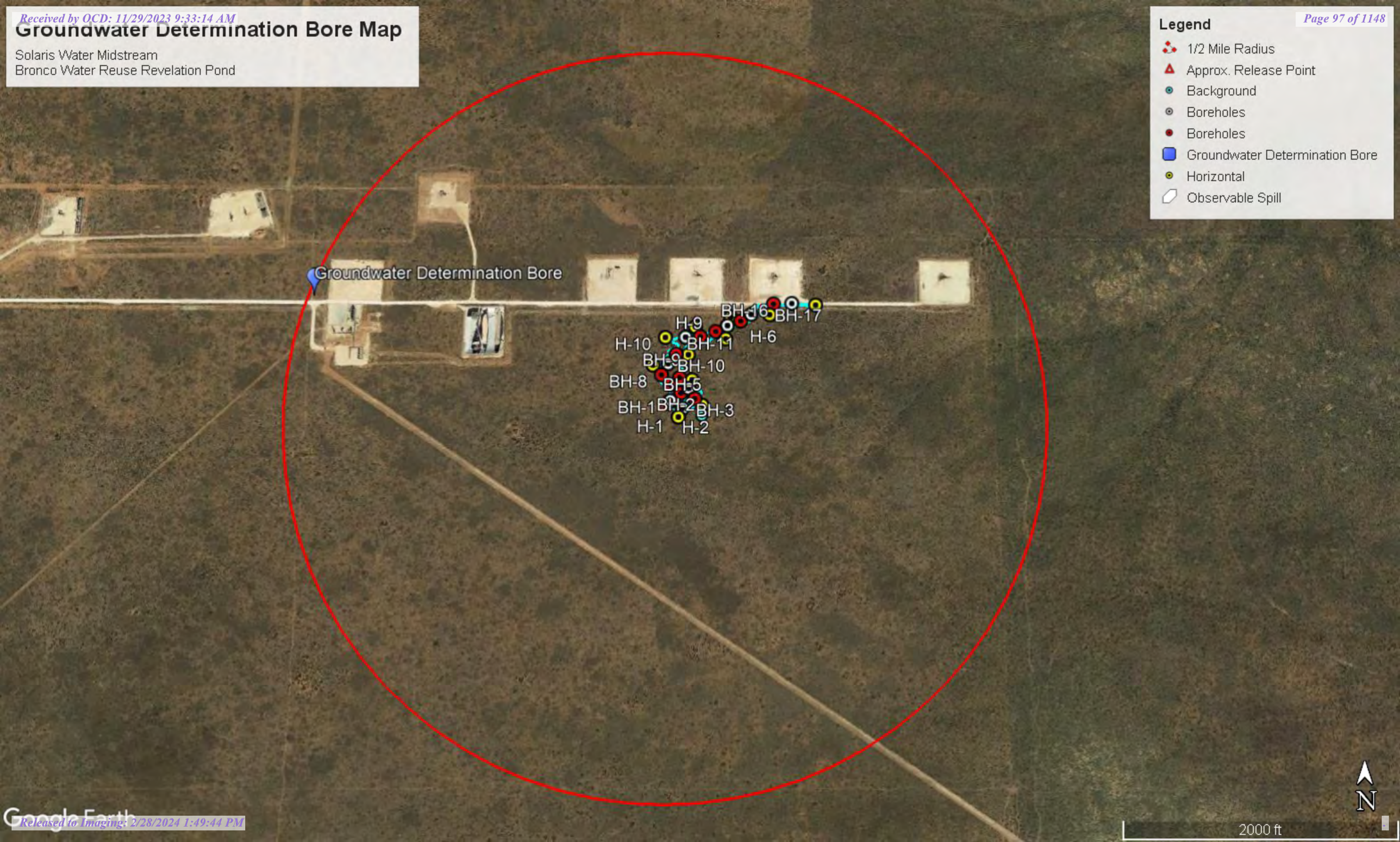
Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

Groundwater Determination Bore Map

Solaris Water Midstream
Bronco Water Reuse Revelation Pond

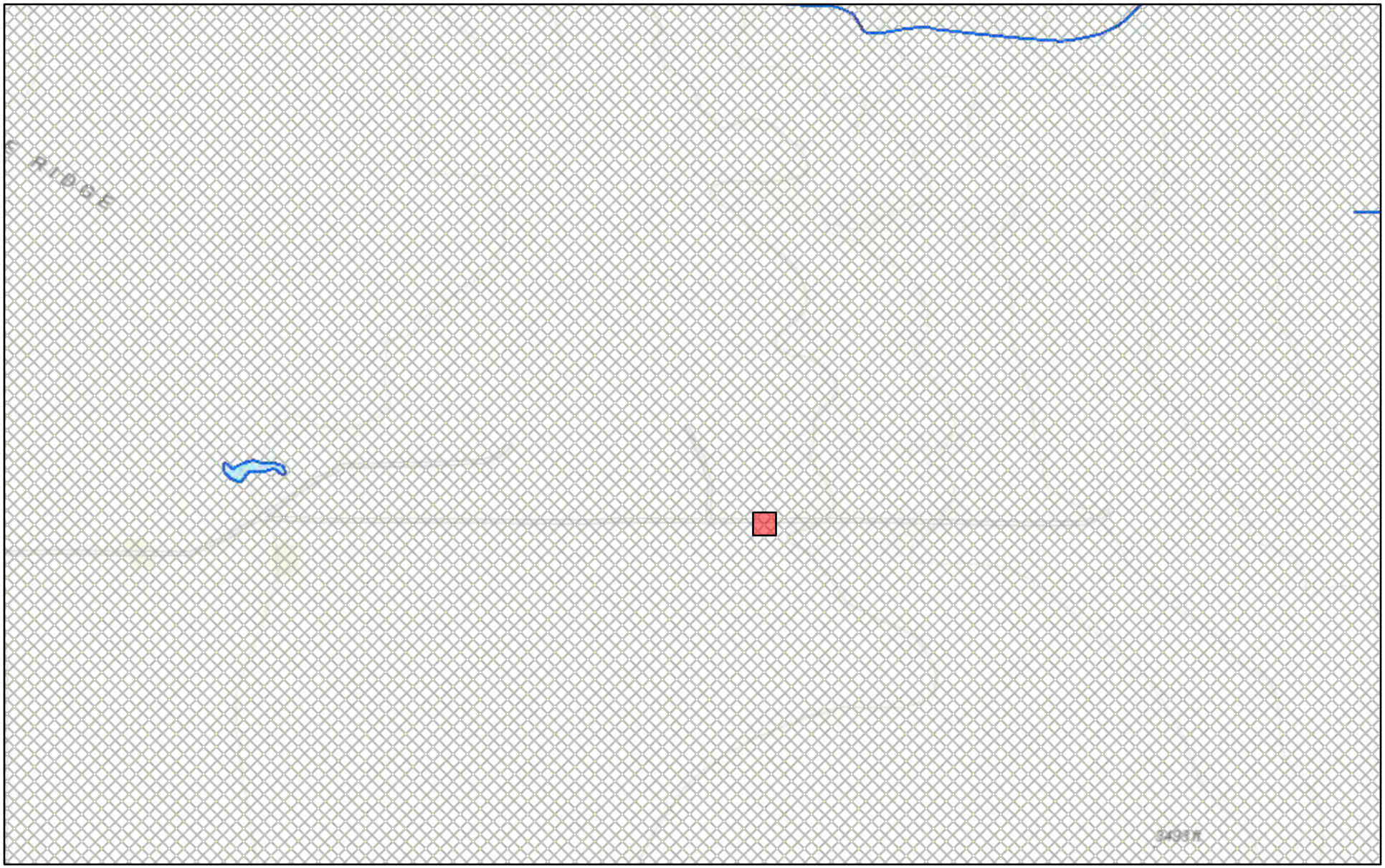


Legend

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

Released to Imaging: 2/28/2024 1:49:44 PM

New Mexico NFHL Data



August 9, 2022

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

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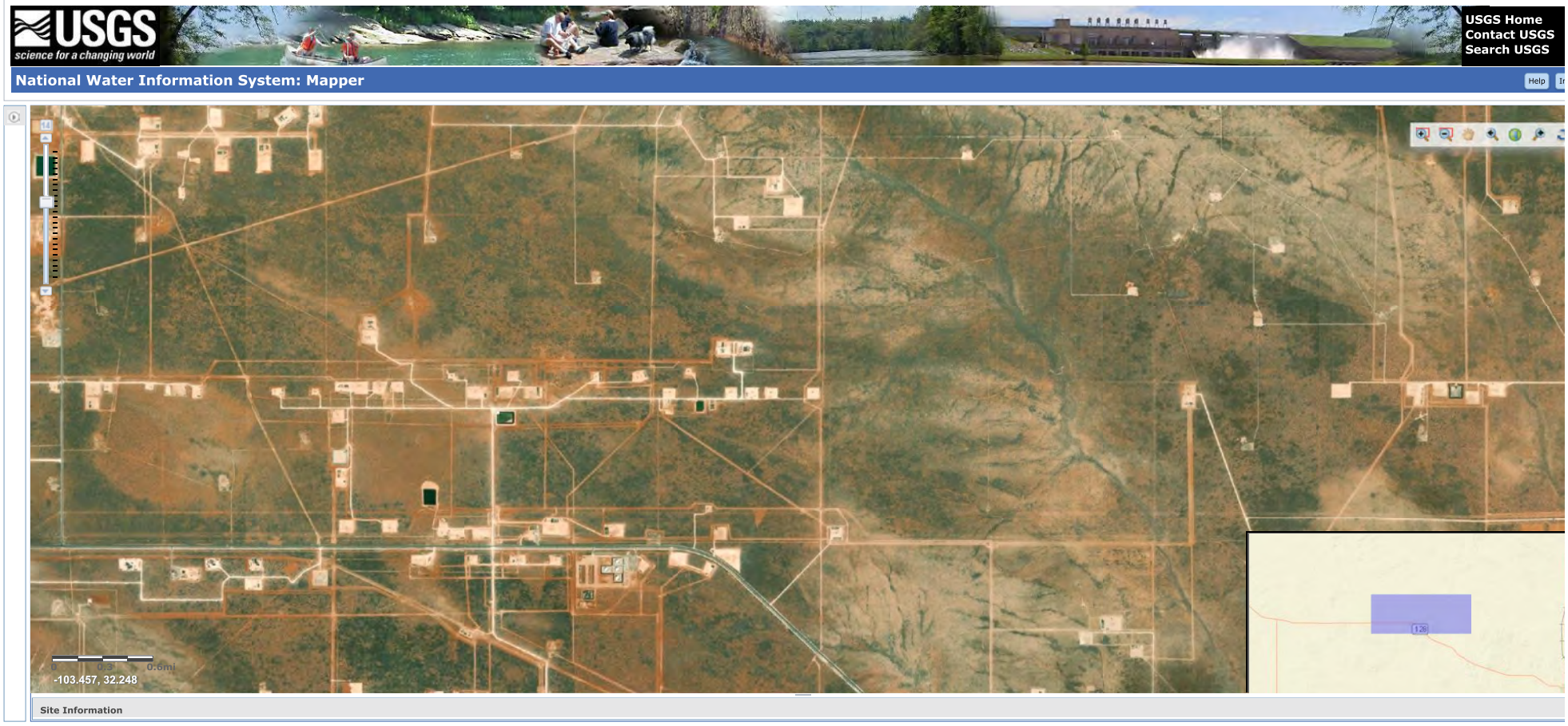
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM



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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		D	62610		3449.23	NGVD29	1		Z	
1953-04-27		D	62611		3450.85	NAVD88	1		Z	
1953-04-27		D	72019	63.15			1		Z	

Explanation

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

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	Twn	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	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	3 GPM
Casing Size:	6.00	**Depth Well:**	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.

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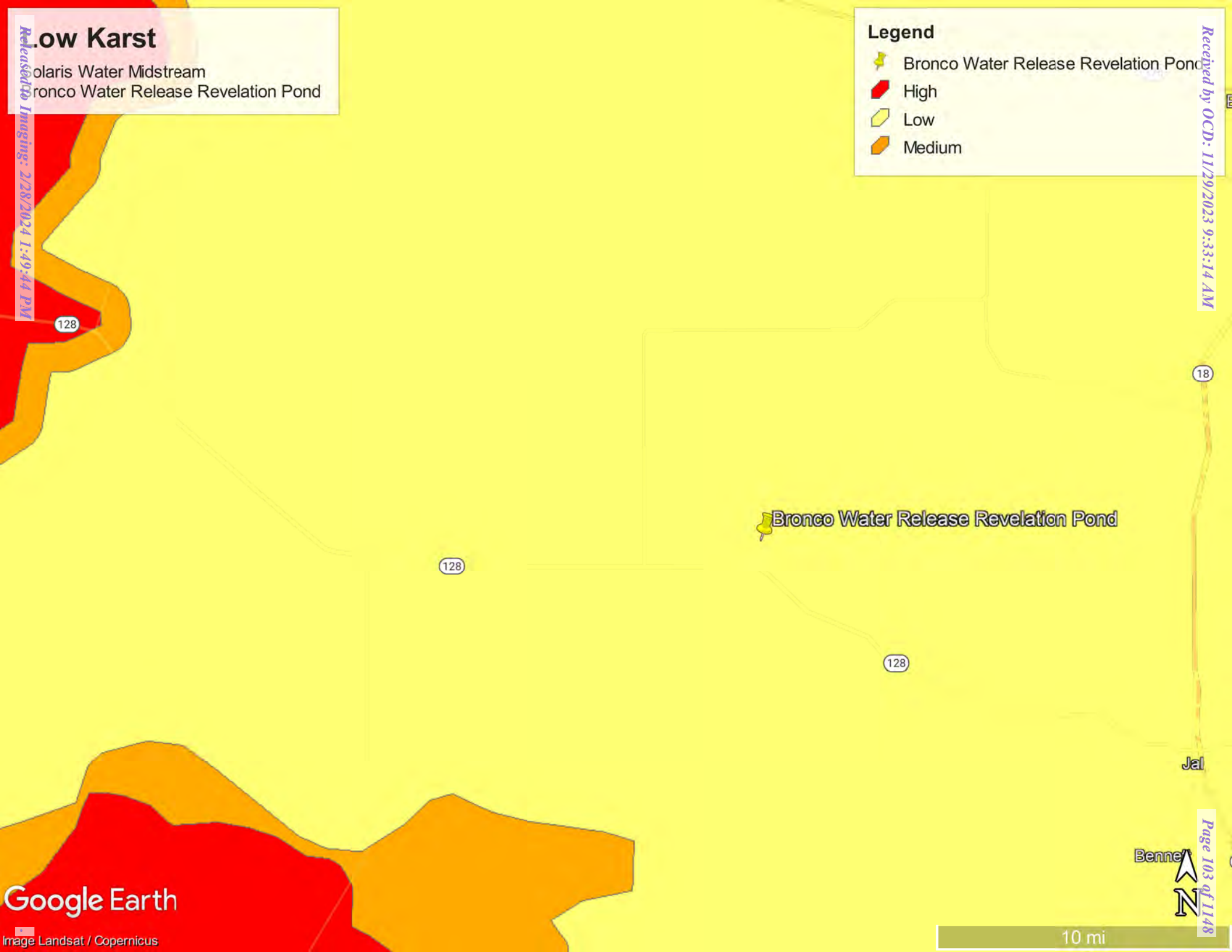

Water Well Data
Average Depth to Groundwater (ft)
Solaris Water Midstream
Bronco Water Release Revelation Pond
Lea County, New Mexico

23 South 33 East

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

23 South 34 East

6 329	5	4	3	2	1 137
7	8 255	9	10	11	12
18	17	16 345	15	14	13
19	20	21	22 282 295	23 233 265	24
30	29	28	27	26	25
31	32 160 130	33	34	35	36

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 22	11	12
18	17	16	15	14	13
19	20	21	22	23 208	24 16.9
30	29	28	27	26	25
31	32	33 70 93.2	34	35	36

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	10 300	11	12
18	17	16	15	14	13
19	20 97	21	22	23	24
30 139	29	28	27	26	25
31	32	33	34	35	36

25 South 33 East

6	5 118	4	3 172	2	1
7	8	9	10	11 140	12 200
18	17	16	15	14	13 185
19	20 200	21 120	22	23	24
30	29	28	27 125	26 110	25
31 190	32	33	34	35	36

25 South 34 East

6	5	4	3	2	1 260
7	8	9	10	11	12
18	17	16	15 135	14	13
19	20	21	22	23	24 300
30	29 129 50	28	27	26	25
31	32	33	34	35	36

25 South 35 East

6	5 165	4	3 108	2	1
7	8	9	10	11	12
18 230	17	16	15	14	13
19	20	21 218	22	23	24
30 80	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

TETRA TECH

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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		5860		**-SM-** SAND: Brown, loose, dry	2	
		5140		**-SM-** SAND: Brown, soft, with Caliche pockets, dry	4	
5		165		-- CALICHE: White to light brown, with gravel, dry, weakly to moderately cemented		
		157				
10		-				
15		203				
20		134			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

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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 ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			-									**-SM-** SAND: Brown, loose, dry	2	
			5820									**-SM-** SAND: Brown, soft, with Caliche pockets, dry	4	
5			331									-- CALICHE: White to light brown, with gravel, dry, weakly to moderately cemented		
			137											
10			-											
15			164											
20			156											
25			121											
30			97										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: Hand Auger, 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

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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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		7370		**-SM-** SAND: Brown, loose, dry	2	
		2820		**-SM-** SAND: Brown, loose to medium dense, with Caliche pockets, dry	4	
5		300		-- CALICHE: White to light brown, medium stiff, with gravel, dry, moderately cemented		
		210			9	
10		136		-- CALICHE: Light brown, trace gravel, dry, weakly cemented		
15		184				
20		145				
25		80				
30		80			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: Hand Auger, 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

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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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		8440		**-SM-** SAND: Brown, loose, dry	2	
		6390		**-SM-** SAND: Brown, loose to medium dense, with Caliche pockets, dry	4	
5		784		-- CALICHE: White to light brown, medium stiff, with gravel, dry, moderately cemented		
		-			9	
10		312		-- CALICHE: Light brown, trace gravel, dry, weakly cemented		
15		-				
20		165				
25		500				
30		152			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: Hand Auger, 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-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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		6580		**-SM-** SAND: Brown, loose, dry	2	
		6140		**-SM-** SAND: Brown, loose to medium dense, with Caliche pockets, dry	4	
5		655		-- CALICHE: White to light brown, medium stiff, with gravel, dry, moderately cemented		
		375			9	
10		318		-- CALICHE: Light brown, trace gravel, dry, weakly cemented		
15		425				
20		265				
25		147				
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: Hand Auger, 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

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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 ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
0		-		**-SM-** SAND: Brown, loose, dry	1	
		-		**--** CALICHE: White to tan, medium stiff, with gravel, dry	4	
5		-		**-SM-** SAND: Tan, loose, trace gravel, dry	7	
		-		**--** CALICHE: White to tan, medium stiff, with abundant gravel, dry	14	
10		-				
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: 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

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Revised 5-16-12 (RHM)

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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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		-		**-SM-** SAND: Brown, loose, dry	2	
		8300		**-SM-** SAND: Brown, soft, with Caliche pockets, dry	4	
5		3920		-- CALICHE: White to light brown, with gravel, dry, weakly cemented		
		-				
10		509				
15		225				
20		158			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

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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 ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		5000		**-SM-** SAND: Brown, loose, dry	1	
		-		-- CALICHE: White to tan, medium stiff, with gravel, dry	4	
5		9430		**-SM-** SAND: Tan, loose, trace gravel, dry	7	
		-		-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	14	
10		1130				
15		-		**-SM-** SAND: Light brown, loose, dry	29	
20		-				
25		98				
30		130		**-SM-** SAND: Reddish brown, loose, dry	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

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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)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		3800		**-SM-** SAND: Brown, loose, dry	1	
		-		-- CALICHE: White to tan, medium stiff, with gravel, dry	4	
5		3810		**-SM-** SAND: Tan, loose, trace gravel, dry	7	
		-		-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	14	
10		512				
15		709		**-SM-** SAND: Light brown, loose, dry	29	
20		-				
25		158				
30		172		**-SM-** SAND: Reddish brown, loose, dry	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

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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 ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		504		**-SM-** SAND: Brown, loose, dry	1	
		192		-- CALICHE: White to tan, medium stiff, with gravel, dry	4	
5		145		**-SM-** SAND: Tan, loose, trace gravel, dry	7	
		976		-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	14	
10		95				
15		400		**-SM-** SAND: Light brown, loose, dry	29	
20		131				
25		240				
30		200		**-SM-** SAND: Reddish brown, loose, dry	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: Hand Auger, 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-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 ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			3720									**-SM-** SAND: Brown, loose, dry	1	
			-									-- CALICHE: White to tan, medium stiff, with gravel, dry	4	
5			5560									**-SM-** SAND: Tan, loose, trace gravel, dry	7	
			-									-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	14	
10			1100											
15			900									**-SM-** SAND: Light brown, loose, dry		
20			1311											
25			320										29	
30			223									**-SM-** SAND: Reddish brown, loose, dry	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

BRONCO RELEASE.GPJ ` 9-7-22 ` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT ` ` ` Revised 5-16-12 (RHM)

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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		4100		**-SM-** SAND: Brown, loose, dry	1	
		-		-- CALICHE: White to tan, medium stiff, with gravel, dry	4	
5		3800		**-SM-** SAND: Tan, loose, trace gravel, dry		
		5610			7	
				-- CALICHE: White to tan, medium stiff, with abundant gravel, dry		
10		-				
					14	
15		512		**-SM-** SAND: Light brown, loose, dry		
20		-				
25		325				
					29	
30		233		**-SM-** SAND: Reddish brown, loose, dry	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: Hand Auger, 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

BRONCO RELEASE.GPJ ` 9-7-22 ` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT ` ` `

Revised 5-16-12 (RHM)

Received by OCD: 11/29/2023 9:33:14 AM

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 ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
0		4100		**-SM-** SAND: Brown, loose, dry		
		-			4	
5		3800		-- CALICHE: White to tan, soft, with gravel, dry		
		5610			6	
				-SM- SAND: Brown, loose to medium dense, trace gravel, dry		
10		-				
15		512				
20		-				
25		325				
30		233			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: Hand Auger, 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

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
0		3670		**-SM-** SAND: Brown, loose, dry		
		-			4	
5		5010		-- CALICHE: White to tan, soft, with gravel, dry		
		5610			6	
				-SM- SAND: Brown, loose to medium dense, trace gravel, dry		
10		7740				
15		-				
20		-				
25		432				
30		253			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

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

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 ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
0		3590		**-SM-** SAND: Brown, loose, dry		
		-			4	
5		-		-- CALICHE: White to tan, soft, with gravel, dry		
		-			6	
		-		**-SM-** SAND: Brown, loose to medium dense, trace gravel, dry		
10		-				
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: Hand Auger, 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

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			-									**-SM-** SAND: Brown, loose, dry		
			843											
													4	
5			154									**-SM-** SAND: Brown, loose, with Caliche pockets, dry		
													6	
			200									-- CALICHE: White to light brown, trace gravel, dry, moderately cemented		
			240											
10													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

BRONCO RELEASE.GPJ ` 9-7-22 ` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT ` ` `

Revised 5-16-12 (RHM)

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

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

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			-									**-SM-** SAND: Brown, loose, dry		
			-											
													4	
5			1100									**-SM-** SAND: Brown, loose, with Caliche pockets, dry		
													6	
			167									-- CALICHE: White to light brown, trace gravel, dry, moderately cemented		
			126											
10													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

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TETRA TECH

Appendix E

Laboratory Reports

eurofins | 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

JKramer

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 my EOL
Have a Question? Ask The Expert
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

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

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-18485-1
Project/Site: Bronco Water Release Revelation Pond 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

Case Narrative

Client: Tetra Tech, Inc. Job ID: 880-18485-1
Project/Site: Bronco Water Release Revelation Pond 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. Job ID: 880-18485-1
Project/Site: Bronco Water Release Revelation Pond SDG: Lea County New Mexico

Job ID: 880-18485-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

GC Semi VOA

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

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

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

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

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

HPLC/IC

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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-32899 and analytical batch 880-33154 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-1
Matrix: Solid
Date Collected: 08/22/22 13:00
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
Matrix: Solid
Date Collected: 08/22/22 13:05
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*

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-2
Matrix: Solid
Date Collected: 08/22/22 13:05
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
OII 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
Matrix: Solid
Date Collected: 08/22/22 13:10
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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-3
Matrix: Solid
Date Collected: 08/22/22 13:10
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
OII 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
Matrix: Solid
Date Collected: 08/22/22 13:15
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
OII 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

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
OII 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*

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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 (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

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
Matrix: Solid
Date Collected: 08/22/22 13:30
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
OII 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
Matrix: Solid
Date Collected: 08/22/22 13:40
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
OII 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

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 (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
OII 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*

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-10
Matrix: Solid
Date Collected: 08/22/22 14:00
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
OII 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
Matrix: Solid
Date Collected: 08/22/22 14:05
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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-11
Matrix: Solid
Date Collected: 08/22/22 14:05
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
OII 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
Matrix: Solid
Date Collected: 08/22/22 14:10
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
OII 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

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*

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-14
Matrix: Solid
Date Collected: 08/22/22 14:20
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
OII 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
Matrix: Solid
Date Collected: 08/22/22 14:25
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

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
OII 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
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/25/22 09:51	08/26/22 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/25/22 09:51*	*08/26/22 03:48*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/25/22 09:51*	*08/26/22 03:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-17
Matrix: Solid
Date Collected: 08/22/22 14:40
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
OII 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
Matrix: Solid
Date Collected: 08/22/22 14:50
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*

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

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
OII 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
OII 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

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 (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*

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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-23
Matrix: Solid
Date Collected: 08/22/22 15:20
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
OII 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
Matrix: Solid
Date Collected: 08/22/22 15:25
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
OII 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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-25
Matrix: Solid
Date Collected: 08/22/22 15:30
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
Matrix: Solid
Date Collected: 08/22/22 15:40
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*

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-26
Matrix: Solid
Date Collected: 08/22/22 15:40
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
Matrix: Solid
Date Collected: 08/22/22 15:50
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

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
OII 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
OII 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

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
OII 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*

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-30
Matrix: Solid
Date Collected: 08/23/22 10:10
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
Matrix: Solid
Date Collected: 08/23/22 10:15
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

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
OII 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
OII 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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-33
Matrix: Solid
Date Collected: 08/23/22 10:25
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
OII 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
Matrix: Solid
Date Collected: 08/23/22 10:30
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*

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
Matrix: Solid
Date Collected: 08/23/22 10:30
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
Matrix: Solid
Date Collected: 08/23/22 10:35
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

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
OII 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
OII 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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-37
Matrix: Solid
Date Collected: 08/23/22 11:00
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
OII 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
Matrix: Solid
Date Collected: 08/23/22 11:05
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*

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

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
OII 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
OII 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

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
OII 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*

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

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
Matrix: Solid
Date Collected: 08/23/22 11:30
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
OII 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
Matrix: Solid
Date Collected: 08/23/22 11:35
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
OII 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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-45
Matrix: Solid
Date Collected: 08/23/22 11:40
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
OII 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
Matrix: Solid
Date Collected: 08/23/22 12:00
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*

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-46
Matrix: Solid
Date Collected: 08/23/22 12:00
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
Matrix: Solid
Date Collected: 08/23/22 12:05
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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-47
Matrix: Solid
Date Collected: 08/23/22 12:05
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
OII 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
Matrix: Solid
Date Collected: 08/23/22 12:10
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
OII 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

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
OII 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*

Client Sample Results

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

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

Client Sample ID: BH-11 (9'-10')

Lab Sample ID: 880-18485-50
Matrix: Solid
Date Collected: 08/23/22 12:20
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
Matrix: Solid
Date Collected: 08/23/22 12:25
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

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 (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
OII 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
OII 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

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 (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
OII 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*

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

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 (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
OII 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
OII 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

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
OII 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*

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

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
OII 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
OII 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

Client Sample Results

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

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

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

Lab Sample ID: 880-18485-61
Matrix: Solid
Date Collected: 08/23/22 13:30
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
OII 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
Matrix: Solid
Date Collected: 08/23/22 13:35
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*

Client Sample Results

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

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

Client Sample ID: BH-10 (24'-25')

Lab Sample ID: 880-18485-62
Matrix: Solid
Date Collected: 08/23/22 13:35
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
Matrix: Solid
Date Collected: 08/23/22 13:40
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

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
OII 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
OII 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

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 (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
OII 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*

Client Sample Results

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

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

Client Sample ID: BH-09 (4'-5')

Lab Sample ID: 880-18485-66
Matrix: Solid
Date Collected: 08/23/22 14:10
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
Matrix: Solid
Date Collected: 08/23/22 14:15
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

Client Sample Results

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

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

Client Sample ID: BH-09 (6'-7')

Lab Sample ID: 880-18485-67
Matrix: Solid
Date Collected: 08/23/22 14:15
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
OII 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
Matrix: Solid
Date Collected: 08/23/22 14:20
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
OII 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

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
OII 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*

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
Matrix: Solid
Date Collected: 08/23/22 14:30
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
Matrix: Solid
Date Collected: 08/23/22 14:35
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

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
OII 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
OII 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

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 (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*

Client Sample Results

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

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

Client Sample ID: BH-07 (2'-3')

Lab Sample ID: 880-18485-74
Matrix: Solid
Date Collected: 08/23/22 15:05
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
Matrix: Solid
Date Collected: 08/23/22 15:10
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

Client Sample Results

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

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

Client Sample ID: BH-07 (4'-5')

Lab Sample ID: 880-18485-75
Matrix: Solid
Date Collected: 08/23/22 15:10
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
OII 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
Matrix: Solid
Date Collected: 08/23/22 15:15
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
OII 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

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
OII 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*

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 (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

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 (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
OII 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
OII 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

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')

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

Lab Sample ID: 880-18485-81

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		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
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:47	08/25/22 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*08/25/22 13:47*	*08/25/22 17:57*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/25/22 13:47*	*08/25/22 17:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.1**		5.03		mg/Kg			08/26/22 19:24	1

Surrogate Summary

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

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

Method: 8021B - Volatile Organic Compounds (GC)

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

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

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)										
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										

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										

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)								
880-18485-29	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								

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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33156 **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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33156 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33156 **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 **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		
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		

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

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 880-32950/1-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		
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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33156 **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 **Client Sample ID: BH-14 (4'-5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33156 **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 **Client Sample ID: BH-14 (4'-5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33156 **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

QC Sample Results

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

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

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

Lab Sample ID: 880-18485-21 MSD
Matrix: Solid
Analysis Batch: 33156

Client Sample ID: BH-14 (4'-5')
Prep Type: Total/NA
Prep Batch: 32950

Surrogate	MSD %Recovery	MSD 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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 11:00	1

Surrogate	MB %Recovery	MB 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

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

Surrogate	LCS %Recovery	LCS 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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1003		mg/Kg		100	70 - 130	8	35
Toluene			0.100	0.09267		mg/Kg		93	70 - 130	2	35
Ethylbenzene			0.100	0.1027		mg/Kg		103	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2136		mg/Kg		107	70 - 130	2	35
o-Xylene			0.100	0.1233		mg/Kg		123	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD 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: 880-18485-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-32980/2-A
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32980

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

Lab Sample ID: 880-18485-41 MS
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: BH-12 (9'-10')
Prep Type: Total/NA
Prep Batch: 32980

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F2 F1	0.101	0.09667		mg/Kg		96	70 - 130
Toluene	0.00261	F2 F1	0.101	0.09680		mg/Kg		94	70 - 130
Ethylbenzene	<0.00199	U F2	0.101	0.1115		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2	0.201	0.2398		mg/Kg		118	70 - 130
o-Xylene	<0.00199	U F2 F1	0.101	0.1399	F1	mg/Kg		138	70 - 130

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

Lab Sample ID: 880-18485-41 MSD
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: BH-12 (9'-10')
Prep Type: Total/NA
Prep Batch: 32980

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.100	0.05765	F2 F1	mg/Kg		58	70 - 130	51	35
Toluene	0.00261	F2 F1	0.100	0.06203	F2 F1	mg/Kg		59	70 - 130	44	35
Ethylbenzene	<0.00199	U F2	0.100	0.07397	F2	mg/Kg		73	70 - 130	40	35
m-Xylene & p-Xylene	<0.00398	U F2	0.200	0.1530	F2	mg/Kg		75	70 - 130	44	35
o-Xylene	<0.00199	U F2 F1	0.100	0.09091	F2	mg/Kg		90	70 - 130	42	35

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

Lab Sample ID: MB 880-32985/5-A
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/01/22 22:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/25/22 13:58	09/01/22 22:15	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/25/22 13:58	09/01/22 22:15	1

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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33501 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33501 **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 **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	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 **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
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

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

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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 **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		
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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33162 **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 **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33162 **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 **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33162 **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

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: 880-18527-A-1-D MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33162 **Prep Batch: 33194**

Surrogate	MSD %Recovery	MSD 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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **Prep Batch: 32854**

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		08/24/22 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
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/24/22 13:47	08/25/22 10:52	1

Surrogate	MB %Recovery	MB 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **Prep Batch: 32854**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: LCSD 880-32854/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **Prep Batch: 32854**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1261		mg/Kg		126	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1324	*+	mg/Kg		132	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	133	S1+	70 - 130

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 **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **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 **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **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
OII 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **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

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: LCS 880-32920/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **Prep Batch: 32920**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	77		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCSD 880-32920/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **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 %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-18485-1 MS **Client Sample ID: BH-16 (0'-1')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **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 %Recovery	MS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-18485-1 MSD **Client Sample ID: BH-16 (0'-1')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 32892 **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 %Recovery	MSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	82		70 - 130

QC Sample Results

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

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

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

Lab Sample ID: MB 880-32937/1-A
Matrix: Solid
Analysis Batch: 32894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32937

Analyte	MB 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

QC Sample Results

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

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

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

Lab Sample ID: 880-18485-21 MS
Matrix: Solid
Analysis Batch: 32894

Client Sample ID: BH-14 (4'-5')
Prep Type: Total/NA
Prep Batch: 32937

Surrogate	MS %Recovery	MS 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
OII 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

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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33016 **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 **Client Sample ID: BH-12 (9'-10')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33016 **Prep Batch: 32938**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1040		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	720.5		mg/Kg		72	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Lab Sample ID: 880-18485-41 MSD **Client Sample ID: BH-12 (9'-10')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33016 **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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33102 **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
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 11:04	1

QC Sample Results

Client: Tetra Tech, Inc. 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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33102 **Prep Batch: 32946**

Surrogate	MB %Recovery	MB 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33102 **Prep Batch: 32946**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	869.6		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	941.4		mg/Kg		94	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	143	S1+	70 - 130
o-Terphenyl	152	S1+	70 - 130

Lab Sample ID: LCSD 880-32946/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33102 **Prep Batch: 32946**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	823.1		mg/Kg		82	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	935.5		mg/Kg		94	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	162	S1+	70 - 130
o-Terphenyl	151	S1+	70 - 130

Lab Sample ID: 880-18485-61 MS **Client Sample ID: BH-10 (19'-20')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33102 **Prep Batch: 32946**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	876.5		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1086		mg/Kg		109	70 - 130		

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

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 **Client Sample ID: BH-10 (19'-20')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33102 **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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33097

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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33097

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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33097

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 **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33097

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 **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33097

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	270		249	502.6		mg/Kg		94	90 - 110	2	20

QC Sample Results

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

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-32899/1-A
Matrix: Solid
Analysis Batch: 33154

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/29/22 03:22	1

Lab Sample ID: LCS 880-32899/2-A
Matrix: Solid
Analysis Batch: 33154

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	261.3		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-32899/3-A
Matrix: Solid
Analysis Batch: 33154

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	267.9		mg/Kg		107	90 - 110	3	20

Lab Sample ID: 880-18485-1 MS
Matrix: Solid
Analysis Batch: 33154

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2420	F1	1250	4321	F1	mg/Kg		153	90 - 110		

Lab Sample ID: 880-18485-1 MSD
Matrix: Solid
Analysis Batch: 33154

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2420	F1	1250	4166	F1	mg/Kg		140	90 - 110	4	20

Lab Sample ID: 880-18485-11 MS
Matrix: Solid
Analysis Batch: 33154

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3340	F1	1260	4728		mg/Kg		110	90 - 110		

Lab Sample ID: 880-18485-11 MSD
Matrix: Solid
Analysis Batch: 33154

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3340	F1	1260	4839	F1	mg/Kg		119	90 - 110	2	20

Lab Sample ID: MB 880-32901/1-A
Matrix: Solid
Analysis Batch: 33158

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/28/22 07:36	1

QC Sample Results

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

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-32901/2-A
Matrix: Solid
Analysis Batch: 33158

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.6		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-32901/3-A
Matrix: Solid
Analysis Batch: 33158

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	247.5		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-18485-41 MS
Matrix: Solid
Analysis Batch: 33158

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1850		1240	3093		mg/Kg		100	90 - 110		

Lab Sample ID: 880-18485-41 MSD
Matrix: Solid
Analysis Batch: 33158

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1850		1240	3102		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-18485-51 MS
Matrix: Solid
Analysis Batch: 33158

Client Sample ID: BH-11 (14'-15')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	110		251	357.2		mg/Kg		98	90 - 110		

Lab Sample ID: 880-18485-51 MSD
Matrix: Solid
Analysis Batch: 33158

Client Sample ID: BH-11 (14'-15')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	110		251	358.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-32900/1-A
Matrix: Solid
Analysis Batch: 33161

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/28/22 03:01	1

Lab Sample ID: LCS 880-32900/2-A
Matrix: Solid
Analysis Batch: 33161

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.9		mg/Kg		97	90 - 110		

QC Sample Results

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

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-32900/3-A
Matrix: Solid
Analysis Batch: 33161

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.8		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-18485-21 MS
Matrix: Solid
Analysis Batch: 33161

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2780		1250	4130		mg/Kg		108	90 - 110

Lab Sample ID: 880-18485-21 MSD
Matrix: Solid
Analysis Batch: 33161

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2780		1250	4141		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-18485-31 MS
Matrix: Solid
Analysis Batch: 33161

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6330		2530	8924		mg/Kg		103	90 - 110

Lab Sample ID: 880-18485-31 MSD
Matrix: Solid
Analysis Batch: 33161

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6330		2530	8933		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-32908/1-A
Matrix: Solid
Analysis Batch: 33163

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/28/22 12:11	1

Lab Sample ID: LCS 880-32908/2-A
Matrix: Solid
Analysis Batch: 33163

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	247.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-32908/3-A
Matrix: Solid
Analysis Batch: 33163

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	248.1		mg/Kg		99	90 - 110	0	20

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 **Client Sample ID: BH-10 (19'-20')**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33163

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 **Client Sample ID: BH-10 (19'-20')**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33163

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 **Client Sample ID: BH-09 (24'-25')**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33163

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 **Client Sample ID: BH-09 (24'-25')**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33163

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	40.5		250	304.4		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc. 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	

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	

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

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	

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	

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
880-18485-70	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

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

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	

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: 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	

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

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	

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	

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
880-18485-77	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	

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	

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	

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

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

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

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

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 (19'-20') Lab Sample ID: 880-18485-7

Date Collected: 08/22/22 13:30 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 05:22	CH	EET MID

Client Sample ID: BH-16 (24'-25') Lab Sample ID: 880-18485-8

Date Collected: 08/22/22 13:40 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 19:31	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 00:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 05:31	CH	EET MID

Client Sample ID: BH-16 (29'-30') Lab Sample ID: 880-18485-9

Date Collected: 08/22/22 13:50 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 19:57	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 00:58	SM	EET MID
Soluble	Leach	DI Leach			5,03 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 05:40	CH	EET MID

Client Sample ID: BH-15 (0'-1') Lab Sample ID: 880-18485-10

Date Collected: 08/22/22 14:00 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 20:23	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 01:19	SM	EET MID
Soluble	Leach	DI Leach			5,05 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 05:49	CH	EET MID

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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

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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

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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 (24'-25') Lab Sample ID: 880-18485-17

Date Collected: 08/22/22 14:40 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 07:31	CH	EET MID

Client Sample ID: BH-15 (29'-30') Lab Sample ID: 880-18485-18

Date Collected: 08/22/22 14:50 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 05:47	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 04:30	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 07:40	CH	EET MID

Client Sample ID: BH-14 (0'-1') Lab Sample ID: 880-18485-19

Date Collected: 08/22/22 15:00 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 06:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 04:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 07:49	CH	EET MID

Client Sample ID: BH-14 (2'-3') Lab Sample ID: 880-18485-20

Date Collected: 08/22/22 15:05 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 06:28	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 05:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 07:58	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
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

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. 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33161	08/28/22 04:43	CH	EET MID

Client Sample ID: BH-13 (0'-1') Lab Sample ID: 880-18485-28

Date Collected: 08/23/22 10:00 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 06:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 00:37	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 04:51	CH	EET MID

Client Sample ID: BH-13 (2'-3') Lab Sample ID: 880-18485-29

Date Collected: 08/23/22 10:05 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 06:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 00:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 04:59	CH	EET MID

Client Sample ID: BH-13 (4'-5') Lab Sample ID: 880-18485-30

Date Collected: 08/23/22 10:10 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 06:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 01:19	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 05:07	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
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. 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

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

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

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. Job ID: 880-18485-1
Project/Site: Bronco Water Release Revelation Pond SDG: Lea County New Mexico

Client Sample ID: BH-11 (14'-15') Lab Sample ID: 880-18485-51

Date Collected: 08/23/22 12:25 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 15:49	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 16:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 09:50	CH	EET MID

Client Sample ID: BH-11 (19'-20') Lab Sample ID: 880-18485-52

Date Collected: 08/23/22 12:30 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 16:09	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 17:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 10:13	CH	EET MID

Client Sample ID: BH-11 (24'-25') Lab Sample ID: 880-18485-53

Date Collected: 08/23/22 12:35 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 16:30	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 17:24	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 10:21	CH	EET MID

Client Sample ID: BH-11 (29'-30') Lab Sample ID: 880-18485-54

Date Collected: 08/23/22 12:40 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 16:50	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc. 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. 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33163	08/28/22 13:33	CH	EET MID

Client Sample ID: BH-09 (9'-10') Lab Sample ID: 880-18485-68

Date Collected: 08/23/22 14:20 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 00:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 15:25	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 13:41	CH	EET MID

Client Sample ID: BH-09 (14'-15') Lab Sample ID: 880-18485-69

Date Collected: 08/23/22 14:25 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 01:20	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 15:47	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 13:49	CH	EET MID

Client Sample ID: BH-09 (19'-20') Lab Sample ID: 880-18485-70

Date Collected: 08/23/22 14:30 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 01:40	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 16:08	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 13:57	CH	EET MID

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

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 (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

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 (29'-30') **Lab Sample ID: 880-18485-81**
Date Collected: 08/23/22 15:40 **Matrix: Solid**
Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 05:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32854	08/25/22 13:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/25/22 17:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32897	08/25/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33097	08/26/22 19:24	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-18485-1
Project/Site: Bronco Water Release Revelation Pond 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

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

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

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Analysis Request of Chain of Custody Record

880-18485 Chain of Custody

18485

9/2/2022

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:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
	BH-16 (0-1')	8/22	1300		X			X		1	N	X		X												X					
	BH-16 (2'-3')	8/22	1305		X			X		1	N	X		X												X					
	BH-16 (4'-5')	8/22	1310		X			X		1	N	X		X												X					
	BH-16 (6-7')	8/22	1315		X			X		1	N	X		X												X					
	BH-16 (9-10')	8/22	1320		X			X		1	N	X		X												X					
	BH-16 (14'-15')	8/22	1325		X			X		1	N	X		X												X					
	BH-16 (19'-20')	8/22	1330		X			X		1	N	X		X												X					
	BH-16 (24-25')	8/22	1340		X			X		1	N	X		X												X					
	BH-16 (29'-30')	8/22	1350		X			X		1	N	X		X												X					
	BH-15 (0'-1')	8/22	1400		X			X		1	N	X		X												X					

Relinquished by:	Date	Time	Received by:	Date	Time
Hailey Bickley	08/24/22			8/24/22	14:18
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature 5.6/5.8

REMARKS:

- [ ] Standard
- [x] RUSH 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

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Analysis Request of Chain of Custody Record

9/7/2022

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: (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:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	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 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	BH 15 (2'-3')	8/22	1405		X				X			1	N	X		X												X					
	BH-15 (4'-5')	8/22	1410		X				X			1	N	X		X												X					
	BH-15 (6-7)	8/22	1415		X				X			1	N	X		X												X					
	BH-15 (9-10')	8/22	1420		X				X			1	N	X		X												X					
	BH-15 (14'-15')	8/22	1425		X				X			1	N	X		X												X					
	BH-15 (19-20')	8/22	1430		X				X			1	N	X		X												X					
	BH-15 (24 25')	8/22	1440		X				X			1	N	X		X												X					
	BH-15 (29'-30')	8/22	1450		X				X			1	N	X		X												X					
	BH-14 (0'-1')	8/22	1500		X				X			1	N	X		X												X					
	BH-14 (2-3')	8/22	1505		X				X			1	N	X		X												X					

Relinquished by: Hailey Bickley	Date: 08/24/22	Time:	Received by:	Date: 8/24/22	Time: 14:18
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by	Date:	Time:

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LAB USE ONLY

Sample Temperature

REMARKS:

- [ ] Standard
- [X] RUSH 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Received by OCD: 11/29/2023 9:33:14 AM

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

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: (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:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR 2022)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
	BH-14 (4'-5')	8/22	1510		X			X		1	N	X		X												X					
	BH-14 (6'-7')	8/22	1515		X			X		1	N	X		X												X					
	BH-14 (9 -10')	8/22	1520		X			X		1	N	X		X												X					
	BH-14 (14'-15')	8/22	1525		X			X		1	N	X		X												X					
	BH-14 (19 -20')	8/22	1530		X			X		1	N	X		X												X					
	BH-14 (24'-25')	8/22	1540		X			X		1	N	X		X												X					
	BH-14 (29'-30')	8/22	1550		X			X		1	N	X		X												X					
	BH-13 (0 -1')	8/23	1000		X			X		1	N	X		X												X					
	BH-13 (2'-3')	8/23	1005		X			X		1	N	X		X												X					
	BH-13 (4 -5')	8/23	1010		X			X		1	N	X		X												X					

	Relinquished by	Date	Time	Received by	Date	Time
	Hailey Berkley	08/24/22			8/24/22	14:18
	Relinquished by	Date	Time	Received by	Date	Time
	Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

REMARKS:

- [ ] Standard
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- [ ] Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

9/2/2022

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: (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:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	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 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		
	BH-13 (6'-7')	8/23	1015		X				X			1	N	X		X												X						
	BH-13 (9 -10')	8/23	1020		X				X			1	N	X		X												X						
	BH-13 (14 -15')	8/23	1025		X				X			1	N	X		X												X						
	BH-13 (19'-20)	8/23	1030		X				X			1	N	X		X												X						
	BH-13 (24'-25)	8/23	1035		X				X			1	N	X		X												X						
	BH-13 (29'-30')	8/23	1040		X				X			1	N	X		X												X						
	BH-12 (0'-1)	8/23	1100		X				X			1	N	X		X												X						
	BH-12 (2'-3')	8/23	1105		X				X			1	N	X		X												X						
	BH 12 (4 -5')	8/23	1110		X				X			1	N	X		X												X						
	BH-12 (6'-7')	8/23	1115		X				X			1	N	X		X												X						

	Relinquished by	Date	Time	Received by	Date	Time
	Hailey Berkley	08/24/22			8/24/22	14.18
	Relinquished by	Date	Time	Received by	Date	Time
	Relinquished by	Date	Time	Received by	Date	Time

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LAB USE ONLY

Sample Temperature

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- [ ] Standard
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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

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: (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:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	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 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		
	BH-12 (9-10)	8/23	1120		X				X			1	N	X		X												X						
	BH-12 (14-15')	8/23	1125		X				X			1	N	X		X												X						
	BH 12 (19-20')	8/23	1130		X				X			1	N	X		X												X						
	BH-12 (24'-25)	8/23	1135		X				X			1	N	X		X												X						
	BH-12 (29'-30')	8/23	1140		X				X			1	N	X		X												X						
	BH-11 (0'-1)	8/23	1200		X				X			1	N	X		X												X						
	BH-11 (2'-3')	8/23	1205		X				X			1	N	X		X												X						
	BH-11 (4'-5')	8/23	1210		X				X			1	N	X		X												X						
	BH-11 (6'-7')	8/23	1215		X				X			1	N	X		X												X						
	BH-11 (9-10)	8/23	1220		X				X			1	N	X		X												X						

Relinquished by:	Date	Time	Received by:	Date	Time
Hailey Birkley	08/24/22			8/24/22	14:18
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

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LAB USE ONLY

Sample Temperature

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

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: (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:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE		# CONTAINERS	FILTERED (Y/N)	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		
	BH-11 (14'-15')	8/23	1225		X				X			1	N	X		X												X						
	BH-11 (19'-20')	8/23	1230		X				X			1	N	X		X												X						
	BH-11 (24-25')	8/23	1235		X				X			1	N	X		X												X						
	BH-11 (29-30)	8/23	1240		X				X			1	N	X		X												X						
	BH-10 (0'-1')	8/23	1300		X				X			1	N	X		X												X						
	BH-10 (2'-3)	8/23	1305		X				X			1	N	X		X												X						
	BH-10 (4-5)	8/23	1310		X				X			1	N	X		X												X						
	BH-10 (6-7)	8/23	1315		X				X			1	N	X		X												X						
	BH-10 (9-10)	8/23	1320		X				X			1	N	X		X												X						
	BH-10 (14-15)	8/23	1325		X				X			1	N	X		X												X						

Relinquished by	Date	Time	Received by	Date	Time
Hailey Barkley	08/24/22			8/24/22	14:18
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

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LAB USE ONLY

Sample Temperature

REMARKS:

- ☐ Standard
- ☒ RUSH 72 hr
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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

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: (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:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	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 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		
	BH-10 (19'-20')	8/23	1330		X				X			1	N	X		X												X						
	BH-10 (24'-25')	8/23	1335		X				X			1	N	X		X												X						
	BH-10 (29'-30')	8/23	1340		X				X			1	N	X		X												X						
	BH-09 (0'-1')	8/23	1400		X				X			1	N	X		X												X						
	BH-09 (2'-3')	8/23	1405		X				X			1	N	X		X												X						
	BH-09 (4 -5')	8/23	1410		X				X			1	N	X		X												X						
	BH-09 (6 -7')	8/23	1415		X				X			1	N	X		X												X						
	BH-09 (9 -10)	8/23	1420		X				X			1	N	X		X												X						
	BH-09 (14 -15)	8/23	1425		X				X			1	N	X		X												X						
	BH-09 (19 -20)	8/23	1430		X				X			1	N	X		X												X						

Relinquished by	Date	Time	Received by	Date	Time
Hailey Binkley	8/24/22			8/24/22	14.18
Relinquished by	Date	Time	Received by	Date	Time
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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
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Comments:			

ANALYSIS REQUEST
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LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR 2022)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	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 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		
	BH-09 (24'-25')	8/23	1435		X				X			1	N	X		X												X					
	BH-09 (29-30')	8/23	1440		X				X			1	N	X		X												X					
	BH-07 (0-1')	8/23	1500		X				X			1	N	X		X												X					
	BH-07 (2-3')	8/23	1505		X				X			1	N	X		X												X					
	BH-07 (4-5')	8/23	1510		X				X			1	N	X		X												X					
	BH-07 (6'-7')	8/23	1515		X				X			1	N	X		X												X					
	BH-07 (9'-10')	8/23	1520		X				X			1	N	X		X												X					
	BH-07 (14-15')	8/23	1525		X				X			1	N	X		X												X					
	BH-07 (19'-20')	8/23	1530		X				X			1	N	X		X												X					
	BH-07 (24'-25')	8/23	1535		X				X			1	N	X		X												X					

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Hailey Bickley	08/24/22			8/24/22	14:18
Relinquished by	Date	Time	Received by	Date	Time
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(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Analysis Request of Chain of Custody Record

Loc: 880
18485

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9/2/2022

18485

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:			

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LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE		# CONTAINERS	FILTERED (Y/N)	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	
	BH-07 (29'-30')	8/23	1540		X				X			1	N	X		X												X				

Relinquished by: Hailey Berkley Date: 08/24/22 Time:
Received by: Date: 9/24/22 Time: 14:18

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Received by: Date: Time:

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

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

Login Number: 18485
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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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

JKramer

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 my EOL
Have a Question? Ask The Expert
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

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

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-18561-1
Project/Site: Bronco Water Release Revelation Pond 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

Case Narrative

Client: Tetra Tech, Inc. Job ID: 880-18561-1
Project/Site: Bronco Water Release Revelation Pond 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
OII 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*

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

Client Sample Results

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

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

Client Sample ID: BH-06 (4'-5')

Lab Sample ID: 880-18561-3
Matrix: Solid
Date Collected: 08/24/22 09:40
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
OII 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
Matrix: Solid
Date Collected: 08/24/22 09:45
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
OII 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

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
OII 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*

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

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
Matrix: Solid
Date Collected: 08/24/22 10:00
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
OII 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
Matrix: Solid
Date Collected: 08/24/22 10:05
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
OII 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

Client Sample Results

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

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

Client Sample ID: BH-06 (29'-30')

Lab Sample ID: 880-18561-9
Date Collected: 08/24/22 10:10
Matrix: Solid
Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		08/26/22 13:40	09/03/22 10:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*08/26/22 13:40*	*09/03/22 10:50*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*08/26/22 13:40*	*09/03/22 10:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 15:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 15:56	1
OII 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*

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

Client Sample Results

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

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

Client Sample ID: BH-05 (2'-3')

Lab Sample ID: 880-18561-11
Date Collected: 08/24/22 10:25
Matrix: Solid
Date Received: 08/26/22 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII 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
OII 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

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
OII 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*

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

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
OII 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
OII 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

Client Sample Results

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

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

Client Sample ID: BH-05 (24'-25')

Lab Sample ID: 880-18561-17
Matrix: Solid
Date Collected: 08/24/22 10:55
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
Matrix: Solid
Date Collected: 08/24/22 11:00
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*

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

Client Sample Results

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

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

Client Sample ID: BH-04 (0'-1')

Lab Sample ID: 880-18561-19
Date Collected: 08/24/22 11:10
Matrix: Solid
Date Received: 08/26/22 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII 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
OII 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

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
OII 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*

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

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
OII 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
OII 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

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
OII 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*

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

Client Sample Results

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

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

Client Sample ID: BH-03 (2'-3')

Lab Sample ID: 880-18561-27
Date Collected: 08/24/22 11:55
Matrix: Solid
Date Received: 08/26/22 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII 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
OII 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

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
OII 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*

Client Sample Results

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

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

Client Sample ID: BH-03 (9'-10')

Lab Sample ID: 880-18561-30
Matrix: Solid
Date Collected: 08/24/22 12:10
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
Matrix: Solid
Date Collected: 08/24/22 12:15
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

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 (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
OII 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
OII 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

Client Sample Results

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

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

Client Sample ID: BH-02 (0'-1')

Lab Sample ID: 880-18561-33
Matrix: Solid
Date Collected: 08/24/22 12:30
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
OII 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
Matrix: Solid
Date Collected: 08/24/22 12:35
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*

Client Sample Results

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

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

Client Sample ID: BH-02 ((2'-3')

Date Collected: 08/24/22 12:35
Date Received: 08/26/22 11:31

Lab Sample ID: 880-18561-34
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			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')

Date Collected: 08/24/22 12:40
Date Received: 08/26/22 11:31

Lab Sample ID: 880-18561-35
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

Client Sample Results

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

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

Client Sample ID: BH-02 (4'-5')

Lab Sample ID: 880-18561-35
Matrix: Solid
Date Collected: 08/24/22 12:40
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
OII 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
Matrix: Solid
Date Collected: 08/24/22 12:45
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
OII 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

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
Matrix: Solid
Date Collected: 08/24/22 12:50
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
OII 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
Matrix: Solid
Date Collected: 08/24/22 12:55
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*

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

Client Sample Results

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

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

Client Sample ID: BH-02 (19'-20')

Lab Sample ID: 880-18561-39
Matrix: Solid
Date Collected: 08/24/22 13:00
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
OII 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
Matrix: Solid
Date Collected: 08/24/22 14:00
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
OII 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

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
OII 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*

Client Sample Results

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

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

Client Sample ID: BH-08 (4'-5')

Lab Sample ID: 880-18561-42
Matrix: Solid
Date Collected: 08/24/22 14:10
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
Matrix: Solid
Date Collected: 08/24/22 14:15
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

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 (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
OII 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
OII 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

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
OII 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*

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
OII 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

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
OII 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
OII 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

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
OII 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*

Client Sample Results

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

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

Client Sample ID: BH-17 (6'-7')

Lab Sample ID: 880-18561-50
Matrix: Solid
Date Collected: 08/24/22 15:15
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
Matrix: Solid
Date Collected: 08/24/22 15:20
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

Client Sample Results

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

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

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

Lab Sample ID: 880-18561-51
Matrix: Solid
Date Collected: 08/24/22 15:20
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
OII 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
Matrix: Solid
Date Collected: 08/24/22 15:30
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
OII 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

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*

Client Sample Results

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

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

Client Sample ID: BH-18 (4'-5')

Lab Sample ID: 880-18561-54
Matrix: Solid
Date Collected: 08/24/22 15:40
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
Matrix: Solid
Date Collected: 08/24/22 15:45
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

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
Matrix: Solid
Date Collected: 08/24/22 15:45
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
OII 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
Matrix: Solid
Date Collected: 08/24/22 15:50
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
OII 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

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**

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

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-18561-1
Project/Site: Bronco Water Release Revelation Pond SDG: Lea County,New Mexico

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-18561-44	BH-08 (9'-10')	87	96
880-18561-45	BH-08 14'-15')	83	102
880-18561-46	BH-08 (19'-20')	92	105
880-18561-47	BH-17 (0'-1')	89	102
880-18561-48	BH-17 (2'-3')	90	103
880-18561-49	BH-17 (4'-5')	90	101
880-18561-50	BH-17 (6'-7')	97	100
880-18561-51	BH-17 (9'-10')	93	103
880-18561-52	BH-18 (0'-1')	96	101
880-18561-53	BH-18 (2'-3')	90	104
880-18561-54	BH-18 (4'-5')	92	98
880-18561-55	BH-18 (6'-7')	93	103
880-18561-56	BH-18 (9'-10')	87	105
LCS 880-33064/1-A	Lab Control Sample	131 S1+	100
LCS 880-33065/1-A	Lab Control Sample	89	97
LCS 880-33067/1-A	Lab Control Sample	91	103
LCSD 880-33064/2-A	Lab Control Sample Dup	147 S1+	111
LCSD 880-33065/2-A	Lab Control Sample Dup	88	100
LCSD 880-33067/2-A	Lab Control Sample Dup	92	103
MB 880-33064/5-A	Method Blank	103	88
MB 880-33065/5-A	Method Blank	79	116
MB 880-33067/5-A	Method Blank	79	116
MB 880-33569/5-A	Method Blank	77	120
MB 880-33571/5-A	Method Blank	107	86

Surrogate Legend

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

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-18561-1	BH-06 (0'-1')	103	97
880-18561-1 MS	BH-06 (0'-1')	91	83
880-18561-1 MSD	BH-06 (0'-1')	94	87
880-18561-2	BH-06 (2'-3')	116	108
880-18561-3	BH-06 (4'-5')	102	94
880-18561-4	BH-06 (6'-7')	109	101
880-18561-5	BH-06 (9'-10')	114	106
880-18561-6	BH-06 (14'-15')	106	102
880-18561-7	BH-06 (19'-20')	129	112
880-18561-8	BH-06 (24'-25')	106	96
880-18561-9	BH-06 (29'-30')	126	112
880-18561-10	BH-05 (0'-1')	112	103
880-18561-11	BH-05 (2'-3')	134 S1+	123
880-18561-12	BH-05 (4'-5')	114	106
880-18561-13	BH-05 (6'-7')	122	108
880-18561-14	BH-05 (9'-10')	127	113

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)										
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+										

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.
Project/Site: Bronco Water Release Revelation Pond

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-33064/5-A
Matrix: Solid
Analysis Batch: 33586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:40	09/03/22 07:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/26/22 13:40*	*09/03/22 07:45*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*08/26/22 13:40*	*09/03/22 07:45*	*1*

Lab Sample ID: LCS 880-33064/1-A
Matrix: Solid
Analysis Batch: 33586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33064

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09630		mg/Kg		96	70 - 130		
Toluene			0.100	0.1019		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1078		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene			0.200	0.2349		mg/Kg		117	70 - 130		
o-Xylene			0.100	0.1365	*+	mg/Kg		136	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-33064/2-A
Matrix: Solid
Analysis Batch: 33586

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33064

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

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*	*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*	*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*	*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

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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: 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		
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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33649 **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 **Client Sample ID: BH-04 (4'-5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33649 **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 **Client Sample ID: BH-04 (4'-5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33649 **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

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: 880-18561-21 MSD **Client Sample ID: BH-04 (4'-5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33649 **Prep Batch: 33065**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-33067/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33694 **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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33694 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33694 **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

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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33694 **Prep Batch: 33067**

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

Lab Sample ID: 880-18561-41 MS **Client Sample ID: BH-08 (2'-3')**
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
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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-18561-41 MSD **Client Sample ID: BH-08 (2'-3')**
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 880-33569/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33649 **Prep Batch: 33569**

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	09/01/22 16:28	09/02/22 17:19	1
1,4-Difluorobenzene (Surr)	120		70 - 130	09/01/22 16:28	09/02/22 17:19	1

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
OII 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

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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33131 **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 **Client Sample ID: BH-06 (0'-1')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33131 **Prep Batch: 33068**

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	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 **Client Sample ID: BH-06 (0'-1')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33131 **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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33133 **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
OII 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*

QC Sample Results

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

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

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

Lab Sample ID: LCS 880-33070/2-A
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33070

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*174*	*S1+*	*70 - 130*
o-Terphenyl	*170*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-33070/3-A
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33070

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*173*	*S1+*	*70 - 130*
o-Terphenyl	*169*	*S1+*	*70 - 130*

Lab Sample ID: 880-18561-21 MS
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: BH-04 (4'-5')
Prep Type: Total/NA
Prep Batch: 33070

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

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 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*

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: 880-18561-21 MSD **Client Sample ID: BH-04 (4'-5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33133 **Prep Batch: 33070**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	76		70 - 130

Lab Sample ID: MB 880-33071/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33133 **Prep Batch: 33071**

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 14:19	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
OII 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 %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	08/26/22 14:19	08/28/22 21:00	1
o-Terphenyl	104		70 - 130	08/26/22 14:19	08/28/22 21:00	1

Lab Sample ID: LCS 880-33071/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33133 **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 %Recovery	LCS Qualifier	Limits
1-Chlorooctane	170	S1+	70 - 130
o-Terphenyl	162	S1+	70 - 130

Lab Sample ID: LCSD 880-33071/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33133 **Prep Batch: 33071**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	178	S1+	70 - 130
o-Terphenyl	169	S1+	70 - 130

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 **Client Sample ID: BH-08 (2'-3')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33133 **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 **Client Sample ID: BH-08 (2'-3')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33133 **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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33255

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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33255

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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33255

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

QC Sample Results

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

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-18561-1 MS
Matrix: Solid
Analysis Batch: 33255

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5350	F1	2510	8170	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-18561-1 MSD
Matrix: Solid
Analysis Batch: 33255

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5350	F1	2510	8173	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 880-18561-11 MS
Matrix: Solid
Analysis Batch: 33255

Client Sample ID: BH-05 (2'-3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6090	F1	2510	8957	F1	mg/Kg		114	90 - 110

Lab Sample ID: 880-18561-11 MSD
Matrix: Solid
Analysis Batch: 33255

Client Sample ID: BH-05 (2'-3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6090	F1	2510	8716		mg/Kg		105	90 - 110	3	20

Lab Sample ID: MB 880-33076/1-A
Matrix: Solid
Analysis Batch: 33279

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/30/22 04:54	1

Lab Sample ID: LCS 880-33076/2-A
Matrix: Solid
Analysis Batch: 33279

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-33076/3-A
Matrix: Solid
Analysis Batch: 33279

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-18561-21 MS
Matrix: Solid
Analysis Batch: 33279

Client Sample ID: BH-04 (4'-5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	115		252	355.2		mg/Kg		95	90 - 110

QC Sample Results

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

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-18561-21 MSD
Matrix: Solid
Analysis Batch: 33279

Client Sample ID: BH-04 (4'-5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	115		252	354.2		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-18561-31 MS
Matrix: Solid
Analysis Batch: 33279

Client Sample ID: BH-03 (14'-15')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	104		249	343.7		mg/Kg		96	90 - 110

Lab Sample ID: 880-18561-31 MSD
Matrix: Solid
Analysis Batch: 33279

Client Sample ID: BH-03 (14'-15')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	104		249	343.4		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-33077/1-A
Matrix: Solid
Analysis Batch: 33280

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/30/22 08:47	1

Lab Sample ID: LCS 880-33077/2-A
Matrix: Solid
Analysis Batch: 33280

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-33077/3-A
Matrix: Solid
Analysis Batch: 33280

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	248.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-18561-41 MS
Matrix: Solid
Analysis Batch: 33280

Client Sample ID: BH-08 (2'-3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9110		2490	11640		mg/Kg		102	90 - 110

Lab Sample ID: 880-18561-41 MSD
Matrix: Solid
Analysis Batch: 33280

Client Sample ID: BH-08 (2'-3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9110		2490	11640		mg/Kg		102	90 - 110	0	20

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: 880-18561-51 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	

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)

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

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

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	

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: 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	

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: 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	

QC Association Summary

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

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

GC Semi VOA (Continued)

Prep Batch: 33071 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-41 MS	BH-08 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18561-41 MSD	BH-08 (2'-3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 33131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1	BH-06 (0'-1')	Total/NA	Solid	8015B NM	33068
880-18561-2	BH-06 (2'-3')	Total/NA	Solid	8015B NM	33068
880-18561-3	BH-06 (4'-5')	Total/NA	Solid	8015B NM	33068
880-18561-4	BH-06 (6'-7')	Total/NA	Solid	8015B NM	33068
880-18561-5	BH-06 (9'-10')	Total/NA	Solid	8015B NM	33068
880-18561-6	BH-06 (14'-15')	Total/NA	Solid	8015B NM	33068
880-18561-7	BH-06 (19'-20')	Total/NA	Solid	8015B NM	33068
880-18561-8	BH-06 (24'-25')	Total/NA	Solid	8015B NM	33068
880-18561-9	BH-06 (29'-30')	Total/NA	Solid	8015B NM	33068
880-18561-10	BH-05 (0'-1')	Total/NA	Solid	8015B NM	33068
880-18561-11	BH-05 (2'-3')	Total/NA	Solid	8015B NM	33068
880-18561-12	BH-05 (4'-5')	Total/NA	Solid	8015B NM	33068
880-18561-13	BH-05 (6'-7')	Total/NA	Solid	8015B NM	33068
880-18561-14	BH-05 (9'-10')	Total/NA	Solid	8015B NM	33068
880-18561-15	BH-05 (14'-15')	Total/NA	Solid	8015B NM	33068
880-18561-16	BH-05 (19'-20')	Total/NA	Solid	8015B NM	33068
880-18561-17	BH-05 (24'-25')	Total/NA	Solid	8015B NM	33068
880-18561-18	BH-05 (29'-30')	Total/NA	Solid	8015B NM	33068
880-18561-19	BH-04 (0'-1')	Total/NA	Solid	8015B NM	33068
880-18561-20	BH-04 (2'-3')	Total/NA	Solid	8015B NM	33068
880-18561-49	BH-17 (4'-5')	Total/NA	Solid	8015B NM	33071
880-18561-50	BH-17 (6'-7')	Total/NA	Solid	8015B NM	33071
880-18561-51	BH-17 (9'-10')	Total/NA	Solid	8015B NM	33071
880-18561-52	BH-18 (0'-1')	Total/NA	Solid	8015B NM	33071
880-18561-53	BH-18 (2'-3')	Total/NA	Solid	8015B NM	33071
880-18561-54	BH-18 (4'-5')	Total/NA	Solid	8015B NM	33071
880-18561-55	BH-18 (6'-7')	Total/NA	Solid	8015B NM	33071
880-18561-56	BH-18 (9'-10')	Total/NA	Solid	8015B NM	33071
MB 880-33068/1-A	Method Blank	Total/NA	Solid	8015B NM	33068
LCS 880-33068/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33068
LCSD 880-33068/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33068
880-18561-1 MS	BH-06 (0'-1')	Total/NA	Solid	8015B NM	33068
880-18561-1 MSD	BH-06 (0'-1')	Total/NA	Solid	8015B NM	33068

Analysis Batch: 33133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-21	BH-04 (4'-5')	Total/NA	Solid	8015B NM	33070
880-18561-22	BH-04 (6'-7')	Total/NA	Solid	8015B NM	33070
880-18561-23	BH-04 (9'-10')	Total/NA	Solid	8015B NM	33070
880-18561-24	BH-04 (14'-15')	Total/NA	Solid	8015B NM	33070
880-18561-25	BH-04 (19'-20')	Total/NA	Solid	8015B NM	33070
880-18561-26	BH-03 (0'-1')	Total/NA	Solid	8015B NM	33070
880-18561-27	BH-03 (2'-3')	Total/NA	Solid	8015B NM	33070
880-18561-28	BH-03 (4'-5')	Total/NA	Solid	8015B NM	33070
880-18561-29	BH-03 (6'-7')	Total/NA	Solid	8015B NM	33070
880-18561-30	BH-03 (9'-10')	Total/NA	Solid	8015B NM	33070

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	

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	

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	

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

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

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: 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. Job ID: 880-18561-1
Project/Site: Bronco Water Release Revelation Pond 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

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

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

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 (9'-10')
Lab Sample ID: 880-18561-14
Date Collected: 08/24/22 10:40 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 18:07	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 12:27	CH	EET MID

Client Sample ID: BH-05 (14'-15')
Lab Sample ID: 880-18561-15
Date Collected: 08/24/22 10:45 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 13:56	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 18:28	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 12:36	CH	EET MID

Client Sample ID: BH-05 (19'-20')
Lab Sample ID: 880-18561-16
Date Collected: 08/24/22 10:50 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 14:17	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 18:50	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 13:42	CH	EET MID

Client Sample ID: BH-05 (24'-25')
Lab Sample ID: 880-18561-17
Date Collected: 08/24/22 10:55 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 14:37	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 19:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc. 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 13:52	CH	EET MID

Client Sample ID: BH-05 (29'-30') Lab Sample ID: 880-18561-18

Date Collected: 08/24/22 11:00 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 14:58	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 19:34	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 14:01	CH	EET MID

Client Sample ID: BH-04 (0'-1') Lab Sample ID: 880-18561-19

Date Collected: 08/24/22 11:10 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 15:18	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 19:55	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33255	08/30/22 14:10	CH	EET MID

Client Sample ID: BH-04 (2'-3') Lab Sample ID: 880-18561-20

Date Collected: 08/24/22 11:15 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 15:38	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 20:17	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33255	08/30/22 14:19	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc. 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

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

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

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

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

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-18 (4'-5')
Lab Sample ID: 880-18561-54
Date Collected: 08/24/22 15:40 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 22:49	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33280	08/30/22 12:29	CH	EET MID

Client Sample ID: BH-18 (6'-7')
Lab Sample ID: 880-18561-55
Date Collected: 08/24/22 15:45 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/04/22 00:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 23:11	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 13:05	CH	EET MID

Client Sample ID: BH-18 (9'-10')
Lab Sample ID: 880-18561-56
Date Collected: 08/24/22 15:50 **Matrix: Solid**
Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/04/22 00:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 23:33	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 12:37	CH	EET MID

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-18561-1
Project/Site: Bronco Water Release Revelation Pond 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

Method Summary

Client: Tetra Tech, Inc. Job ID: 880-18561-1
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

Sample Summary

Client: Tetra Tech, Inc. Job ID: 880-18561-1
Project/Site: Bronco Water Release Revelation Pond 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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

880-18561 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:**	Joe Tyler
Comments:			

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	BH-06 (0'-1')	8/24	930		X			X		1	N	X		X												X				
	BH-06 (2'-3')	8/24	935		X			X		1	N	X		X												X				
	BH-06 (4'-5')	8/24	940		X			X		1	N	X		X												X				
	BH-06 (6'-7')	8/24	945		X			X		1	N	X		X												X				
	BH-06 (9'-10')	8/24	950		X			X		1	N	X		X												X				
	BH-06 (14'-15')	8/24	955		X			X		1	N	X		X												X				
	BH-06 (19'-20')	8/24	1000		X			X		1	N	X		X												X				
	BH-06 (24'-25')	8/24	1005		X			X		1	N	X		X												X				
	BH-06 (29'-30')	8/24	1010		X			X		1	N	X		X												X				
	BH-05 (0'-1')	8/24	1020		X			X		1	N	X		X												X				

Relinquished by	Date	Time	Received by	Date	Time
Joe Tyler	8-26-22	11:31		8/26/22	11:31
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

0.6/0.8
+.2

REMARKS

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

18561

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			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	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 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
	BH-05 (2'-3')	8/24	1025		X				X			1	N	X		X												X						
	BH-05 (4'-5')	8/24	1030		X				X			1	N	X		X												X						
	BH-05 (6'-7')	8/24	1035		X				X			1	N	X		X												X						
	BH-05 (9'-10')	8/24	1040		X				X			1	N	X		X												X						
	BH-05 (14'-15')	8/24	1045		X				X			1	N	X		X												X						
	BH-05 (19'-20')	8/24	1050		X				X			1	N	X		X												X						
	BH-05 (24'-25')	8/24	1055		X				X			1	N	X		X												X						
	BH-05 (29'-30')	8/24	1100		X				X			1	N	X		X												X						
	BH-04 (0'-1')	8/24	1110		X				X			1	N	X		X												X						
	BH-04 (2'-3')	8/24	1115		X				X			1	N	X		X												X						

Relinquished by	Joe Tyler	Date 8-26-22	Time	Received by	Date	Time
Relinquished by		Date	Time	Received by	Date	Time
Relinquished by		Date	Time	Received by	Date	Time

Received by: Bryan 8/26/22 1131

LAB USE ONLY

Sample Temperature 0.6 | 0.8

REMARKS

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

185161

Client Name:	Solaris	**Site Manager**	Clair Gonzales
Project Name.	Bronco Water Release Revelation Pond	**Contact Info**	Email Clair Gonzales@tetratech com Phone (432) 260-8634
Project Location (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 YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE		# CONTAINERS	FILTERED (Y/N)	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
	BH-04 (4'-5')	8/24	1120		X				X			1	N	X		X												X						
	BH-04 (6'-7')	8/24	1125		X				X			1	N	X		X												X						
	BH-04 (9'-10')	8/24	1130		X				X			1	N	X		X												X						
	BH-04 (14'-15')	8/24	1135		X				X			1	N	X		X												X						
	BH-04 (19'-20')	8/24	1140		X				X			1	N	X		X												X						
	BH-03 (0-1')	8/24	1150		X				X			1	N	X		X												X						
	BH-03 (2'-3')	8/24	1155		X				X			1	N	X		X												X						
	BH-03 (4'-5')	8/24	1200		X				X			1	N	X		X												X						
	BH-03 (6'-7')	8/24	1205		X				X			1	N	X		X												X						
	BH-03 (9'-10')	8/24	1210		X				X			1	N	X		X												X						

Relinquished by	Date	Time	Received by	Date	Time
Joe Tyler	8-26-22			8/26/22	1131
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

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ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB USE ONLY

Sample Temperature 0.6/0.8

REMARKS

- [ ] Standard
- [X] RUSH 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

185561

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 YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	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
	BH-03 (14'-15')	8/24	1215		X				X		1	N	X		X												X					
	BH-03 (19'-20')	8/24	1220		X				X		1	N	X		X												X					
	BH-02 (0'-1')	8/24	1230		X				X		1	N	X		X												X					
	BH-02 (2'-3')	8/24	1235		X				X		1	N	X		X												X					
	BH-02 (4'-5')	8/24	1240		X				X		1	N	X		X												X					
	BH-02 (6'-7')	8/24	1245		X				X		1	N	X		X												X					
	BH-02 (9'-10')	8/24	1250		X				X		1	N	X		X												X					
	BH-02 (14'-15')	8/24	1255		X				X		1	N	X		X												X					
	BH-02 (19'-20')	8/24	1300		X				X		1	N	X		X												X					
	BH-08 (0'-1')	8/24	1400		X				X		1	N	X		X												X					

Relinquished by	Date	Time	Received by	Date	Time
Hyb	8-26-22				
Relinquished by	Date	Time	Received by	Date	Time
				8/26/22	1131
Relinquished by	Date	Time	Received by	Date	Time

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ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB USE ONLY

Sample Temperature
0.6/0.8

REMARKS

- [ ] Standard
- [X] RUSH 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

1G561

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:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR 2022)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Caton Balance	TPH 8015R	HOLD
	BH-08 (2'-3')	8/24	1405		X			X		1	N	X		X												X				
	BH-08 (4'-5')	8/24	1410		X			X		1	N	X		X												X				
	BH-08 (6'-7')	8/24	1415		X			X		1	N	X		X												X				
	BH-08 (9'-10')	8/24	1420		X			X		1	N	X		X												X				
	BH-08 (14'-15')	8/24	1425		X			X		1	N	X		X												X				
	BH-08 (19'-20')	8/24	1430		X			X		1	N	X		X												X				
	BH-17 (0'-1')	8/24	1500		X			X		1	N	X		X												X				
	BH-17 (2'-3')	8/24	1505		X			X		1	N	X		X												X				
	BH-17 (4'-5')	8/24	1510		X			X		1	N	X		X												X				
	BH-17 (6'-7')	8/24	1515		X			X		1	N	X		X												X				

		Date	Time
Relinquished by	Joe Tyler	8-26-22	
Received by		8/26/22	1131
Relinquished by			
Received by			
Relinquished by			
Received by			

ORIGINAL COPY

LAB USE ONLY

Sample Temperature
0 6/0.8

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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9/6/2022

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

185161

Client Name:	Solaris	**Site Manager:**	Clair Gonzales
Project Name:	Bronco Water Release Revelation Pond	**Contact Info:**	Email Clair Gonzales@tetratech com Phone (432) 260-8634
Project Location: (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:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	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
	BH-17 (9'-10')	8/24	1520		X				X		1	N	X		X												X					
	BH-18 (0'-1')	8/24	1530		X				X		1	N	X		X												X					
	BH-18 (2'-3')	8/24	1535		X				X		1	N	X		X												X					
	BH-18 (4'-5')	8/24	1540		X				X		1	N	X		X												X					
	BH-18 (6'-7')	8/24	1545		X				X		1	N	X		X												X					
	BH-18 (9'-10')	8/24	1550		X				X		1	N	X		X												X					

Relinquished by	Joe Tyler	Date	8-26-22	Time	
Received by		Date	8/26/22	Time	1131
Relinquished by		Date		Time	
Received by		Date		Time	
Relinquished by		Date		Time	
Received by		Date		Time	

ORIGINAL COPY

LAB USE ONLY

Sample Temperature 0.6/0.8

REMARKS.

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Received by OCD: 11/29/2023 9:33:14 AM
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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

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

Login Number: 18561
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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

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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

JKramer

Authorized for release by:
9/5/2022 12:58:13 PM

Jessica Kramer, Project Manager
(432)704-5440
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LINKS
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

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

Laboratory Job ID: 880-18562-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Tetra Tech, Inc. 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.
¤	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. Job ID: 880-18562-1
Project/Site: Bronco Water Release Revelation Pond 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.

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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
OII 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*

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-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

Client Sample Results

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

Job ID: 880-18562-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-3
Date Collected: 08/23/22 09:20
Matrix: Solid
Date Received: 08/26/22 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII 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
OII 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

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
OII 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*

Client Sample Results

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

Job ID: 880-18562-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-6
Matrix: Solid
Date Collected: 08/23/22 09:50
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
OII 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
Matrix: Solid
Date Collected: 08/23/22 10:00
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

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
OII 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
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/22 13:02	08/28/22 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*08/26/22 13:02*	*08/28/22 00:36*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/26/22 13:02*	*08/28/22 00:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		4.99		mg/Kg			08/31/22 13:41	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-18562-1
Project/Site: Bronco Water Release Revelation Pond 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
OII 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*

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

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
OII 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
OII 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

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 (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*

Client Sample Results

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

Job ID: 880-18562-1
SDG: Lea County, New Mexico

Client Sample ID: BG (2.5'-3.0')

Lab Sample ID: 880-18562-14
Matrix: Solid
Date Collected: 08/24/22 10:20
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
OII 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
Matrix: Solid
Date Collected: 08/24/22 11:30
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

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
OII 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
OII 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

Client Sample Results

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

Job ID: 880-18562-1
SDG: Lea County, New Mexico

Client Sample ID: BH-1 (3'-4')

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

Lab Sample ID: 880-18562-17

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*08/26/22 13:02*	*08/28/22 03:55*	*1*
o-Terphenyl	*84*		*70 - 130*	*08/26/22 13:02*	*08/28/22 03:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1510**		5.05		mg/Kg			08/31/22 15:41	1

Surrogate Summary

Client: Tetra Tech, Inc. 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**

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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

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.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-33067/5-A
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 16:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*08/26/22 13:58*	*09/03/22 16:29*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*08/26/22 13:58*	*09/03/22 16:29*	*1*

Lab Sample ID: LCS 880-33067/1-A
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09833		mg/Kg		98	70 - 130
Toluene	0.100	0.09744		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09415		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1722		mg/Kg		86	70 - 130
o-Xylene	0.100	0.09156		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-33067/2-A
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09032		mg/Kg		90	70 - 130	8	35
Toluene	0.100	0.08861		mg/Kg		89	70 - 130	9	35
Ethylbenzene	0.100	0.08351		mg/Kg		84	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1563		mg/Kg		78	70 - 130	10	35
o-Xylene	0.100	0.08252		mg/Kg		83	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-18561-A-41-A MS
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 33067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.101	0.04596	F1	mg/Kg		44	70 - 130
Toluene	<0.00201	U F1	0.101	0.02704	F1	mg/Kg		26	70 - 130

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

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

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: 880-18562-5 MS **Client Sample ID: H-5 (0-1')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33341 **Prep Batch: 33192**

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-18562-5 MSD **Client Sample ID: H-5 (0-1')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33341 **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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-33416/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33496 **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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	08/31/22 09:38	09/01/22 11:24	1
1,4-Difluorobenzene (Surr)	80		70 - 130	08/31/22 09:38	09/01/22 11:24	1

Lab Sample ID: LCS 880-33416/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33496 **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

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

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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: LCS 880-33416/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33496 **Prep Batch: 33416**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-33416/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33496 **Prep Batch: 33416**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08760		mg/Kg		88	70 - 130	25	35
Toluene			0.100	0.09256		mg/Kg		93	70 - 130	14	35
Ethylbenzene			0.100	0.09249		mg/Kg		92	70 - 130	21	35
m-Xylene & p-Xylene			0.200	0.1860		mg/Kg		93	70 - 130	21	35
o-Xylene			0.100	0.1031		mg/Kg		103	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-18581-A-1-K MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33496 **Prep Batch: 33416**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0998	0.08964		mg/Kg		90	70 - 130		
Toluene	<0.00201	U	0.0998	0.08837		mg/Kg		89	70 - 130		
Ethylbenzene	<0.00201	U	0.0998	0.08726		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1744		mg/Kg		87	70 - 130		
o-Xylene	<0.00201	U	0.0998	0.09787		mg/Kg		98	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-18581-A-1-L MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33496 **Prep Batch: 33416**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.09556		mg/Kg		96	70 - 130	6	35
Toluene	<0.00201	U	0.0996	0.09620		mg/Kg		97	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.0996	0.09230		mg/Kg		93	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1864		mg/Kg		94	70 - 130	7	35
o-Xylene	<0.00201	U	0.0996	0.1024		mg/Kg		103	70 - 130	5	35

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

QC Sample Results

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

Job ID: 880-18562-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-33060/1-A
Matrix: Solid
Analysis Batch: 33106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33060

Analyte	MB 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

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) (Continued)

Lab Sample ID: 880-18562-1 MS **Client Sample ID: H-1 (0-1')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33106 **Prep Batch: 33060**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130
o-Terphenyl	59	S1-	70 - 130

Lab Sample ID: 880-18562-1 MSD **Client Sample ID: H-1 (0-1')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 33106 **Prep Batch: 33060**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	899.3		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	594.2	F1	mg/Kg		60	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	64	S1-	70 - 130
o-Terphenyl	58	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-33077/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33280

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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33280

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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 33280

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 **Client Sample ID: Matrix Spike**
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		

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 — **Client Sample ID: Matrix Spike Duplicate**
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

Lab Sample ID: MB 880-33078/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33397

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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33397

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 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33397

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 — **Client Sample ID: H-5 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33397

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 — **Client Sample ID: H-5 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33397

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 — **Client Sample ID: BH-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33397

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 — **Client Sample ID: BH-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33397

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

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 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

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 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

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

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	

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	

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

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-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.
Job ID: 880-18562-1
Project/Site: Bronco Water Release Revelation Pond
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.
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

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. 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

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-18562-1
Project/Site: Bronco Water Release Revelation Pond 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

Method Summary

Client: Tetra Tech, Inc. Job ID: 880-18562-1
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

Sample Summary

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

Job ID: 880-18562-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18562-1	H-1 (0-1')	Solid	08/23/22 09:00	08/26/22 11:31
880-18562-2	H-2 (0-1')	Solid	08/23/22 09:10	08/26/22 11:31
880-18562-3	H-3 (0-1')	Solid	08/23/22 09:20	08/26/22 11:31
880-18562-4	H-4 (0-1')	Solid	08/23/22 09:30	08/26/22 11:31
880-18562-5	H-5 (0-1')	Solid	08/23/22 09:40	08/26/22 11:31
880-18562-6	H-6 (0-1')	Solid	08/23/22 09:50	08/26/22 11:31
880-18562-7	H-7 (0-1')	Solid	08/23/22 10:00	08/26/22 11:31
880-18562-8	H-8 (0-1')	Solid	08/23/22 10:10	08/26/22 11:31
880-18562-9	H-9 (0-1')	Solid	08/23/22 10:20	08/26/22 11:31
880-18562-10	H-10 (0-1')	Solid	08/23/22 10:30	08/26/22 11:31
880-18562-11	H-11 (0-1')	Solid	08/23/22 10:40	08/26/22 11:31
880-18562-12	BG (0.5'-1.0')	Solid	08/24/22 10:00	08/26/22 11:31
880-18562-13	BG (1.5'-2.0')	Solid	08/24/22 10:10	08/26/22 11:31
880-18562-14	BG (2.5'-3.0')	Solid	08/24/22 10:20	08/26/22 11:31
880-18562-15	BH-1 (0-1')	Solid	08/24/22 11:30	08/26/22 11:31
880-18562-16	BH-1 (2'-3')	Solid	08/24/22 11:40	08/26/22 11:31
880-18562-17	BH-1 (3'-4')	Solid	08/24/22 12:00	08/26/22 11:31

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Analysis Request of Chain of Custody Record

9/5/2022

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			

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	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 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
	H-1 (0'-1')	8/23	900		X				X			1	N	X		X												X						
	H-2 (0'-1')	8/23	910		X				X			1	N	X		X												X						
	H-3 (0'-1')	8/23	920		X				X			1	N	X		X												X						
	H-4 (0'-1')	8/23	930		X				X			1	N	X		X												X						
	H-5 (0'-1')	8/23	940		X				X			1	N	X		X												X						
	H-6 (0'-1')	8/23	950		X				X			1	N	X		X												X						
	H-7 (0'-1')	8/23	1000		X				X			1	N	X		X												X						
	H-8 (0'-1')	8/23	1010		X				X			1	N	X		X												X						
	H-9 (0'-1)	8/23	1020		X				X			1	N	X		X												X						
	H-10 (0'-1)	8/23	1030		X				X			1	N	X		X												X						

Relinquished by	Date	Time	Received by	Date	Time
Miguel A. Flores	8/26/2022			8/26/22	1131
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature 0.6/0.8 +.2

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Received by OCD: 11/29/2023 9:33:14 AM

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

18 Sep

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.			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	H-11 (0'-1')	8/23	1040		X			X		1	N	X		X												X					
	BG (0 5'-1 0')	8/24	1000		X			X		1	N	X		X												X					
	BG (1 5'-2 0')	8/24	1010		X			X		1	N	X		X												X					
	BG (2 5'-3 0')	8/24	1020		X			X		1	N	X		X												X					
	BH-1 (0'-1')	8/24	1130		X			X		1	N	X		X												X					
	BH-1 (2'-3')	8/24	1140		X			X		1	N	X		X												X					
	BH-1 (3'-4')	8/24	1200		X			X		1	N	X		X												X					

Relinquished by	Date	Time	Received by	Date	Time
Miguel A. Flores	8/26/2022			8/26/22	1131
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

0.4/0.8

REMARKS

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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9/5/2022

Received by OCD: 11/29/2023 9:33:14 AM

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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	

eurofins | Environment Testing

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

See page two for job notes and contact information.

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my EOL

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

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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*

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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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
OII 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
OII 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*

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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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

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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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
OII 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
OII 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*

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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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

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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
Matrix: Solid
Date Collected: 01/20/23 12:00
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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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
OII 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

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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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
OII 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

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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond SDG: 212C-MD-02820

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

Lab Sample ID: 890-3919-17
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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
OII 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
OII 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*

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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
Matrix: Solid
Date Collected: 01/20/23 12:00
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
OII 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
Matrix: Solid
Date Collected: 01/20/23 12:00
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

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')

Date Collected: 01/20/23 12:00
Date Received: 01/23/23 15:42

Lab Sample ID: 890-3919-21

Matrix: Solid

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
OII 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

Surrogate Summary

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)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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										

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)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(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. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond SDG: 212C-MD-02820

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45242/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45232 **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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45232 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45232 **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 **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		
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		

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*	*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*	*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*	*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

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: 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		
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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45232 **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 **Client Sample ID: H-17 (0-6')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45232 **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 **Client Sample ID: H-17 (0-6')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45232 **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

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: 890-3919-6 MSD **Client Sample ID: H-17 (0-6')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45232 **Prep Batch: 45248**

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

Lab Sample ID: MB 880-45266/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45278 **Prep Batch: 45266**

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45278 **Prep Batch: 45266**

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-45266/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45278 **Prep Batch: 45266**

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130

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: LCSD 880-45266/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45278 **Prep Batch: 45266**

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

Lab Sample ID: 890-3919-16 MS **Client Sample ID: AH-3 (1-1.5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45278 **Prep Batch: 45266**

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

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

Lab Sample ID: 890-3919-16 MSD **Client Sample ID: AH-3 (1-1.5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45278 **Prep Batch: 45266**

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

Surrogate	MSD %Recovery	MSD 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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45303 **Prep Batch: 45246**

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 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
OII 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

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

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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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45303 **Prep Batch: 45246**

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

Lab Sample ID: LCS 880-45246/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45303 **Prep Batch: 45246**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-45246/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45303 **Prep Batch: 45246**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 890-3914-A-1-D MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45303 **Prep Batch: 45246**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *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	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	78		70 - 130

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: 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
OII 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

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: LCSD 880-45247/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45439 **Prep Batch: 45247**

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

Lab Sample ID: 890-3919-1 MS **Client Sample ID: H-12 (0-6')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45439 **Prep Batch: 45247**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *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	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 890-3919-1 MSD **Client Sample ID: H-12 (0-6')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 45439 **Prep Batch: 45247**

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	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	MSD %Recovery	MSD 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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 44906

Analyte	MB Result	MB 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 44906

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

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 (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
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
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
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

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
Matrix: Solid
Analysis Batch: 44922

Client Sample ID: AH-4 (4-4.5')
Prep Type: Soluble

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
Matrix: Solid
Analysis Batch: 44922

Client Sample ID: AH-4 (4-4.5')
Prep Type: Soluble

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

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 (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	

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 (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

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	

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: 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

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

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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

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') Lab Sample ID: 890-3919-2

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	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') Lab Sample ID: 890-3919-3

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	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') 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	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

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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')

Lab Sample ID: 890-3919-7
Matrix: Solid
Date Collected: 01/20/23 12:00
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
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')

Lab Sample ID: 890-3919-8
Matrix: Solid
Date Collected: 01/20/23 12:00
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			5.02 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')

Lab Sample ID: 890-3919-9
Matrix: Solid
Date Collected: 01/20/23 12:00
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 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')

Lab Sample ID: 890-3919-10
Matrix: Solid
Date Collected: 01/20/23 12:00
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 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

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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')

Lab Sample ID: 890-3919-14
Matrix: Solid
Date Collected: 01/20/23 12:00
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			10.03 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')

Lab Sample ID: 890-3919-15
Matrix: Solid
Date Collected: 01/20/23 12:00
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			4.99 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')

Lab Sample ID: 890-3919-16
Matrix: Solid
Date Collected: 01/20/23 12:00
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	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')

Lab Sample ID: 890-3919-17
Matrix: Solid
Date Collected: 01/20/23 12:00
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	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

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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

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') Lab Sample ID: 890-3919-18

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			5.02 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') Lab Sample ID: 890-3919-19

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	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') Lab Sample ID: 890-3919-20

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	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

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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

Prep 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. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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. Job ID: 890-3919-1
Project/Site: Bronco Water Release Revelation Pond 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.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 890-3919-1
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

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890-3919 Chain of Custody

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	Solaris Water Midstream	**Site Manager:**	Brittany Long
Project Name:	Bronco Water Release Revelation Pond		
Project Location: (county, state)	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		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	H-12 (0-6")	1/20/2023			X				X					X		X												X								
	H-13 (0-6")	1/20/2023			X				X					X		X												X								
	H-14 (0-6")	1/20/2023			X				X					X		X												X								
	H-15 (0-6")	1/20/2023			X				X					X		X												X								
	H-16 (0-6")	1/20/2023			X				X					X		X												X								
	H-17 (0-6")	1/20/2023			X				X					X		X												X								
	H-18 (0-6")	1/20/2023			X				X					X		X												X								
	AH-1 (0-1')	1/20/2023			X				X					X		X												X								
	AH-1 (1-1.5')	1/20/2023			X				X					X		X												X								
	AH-2 (0-1')	~~1/20/2023~~			X				X					X		X												X								

Relinquished by:	Date: 1/23/23	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 1-23-23 Time: 1540

LAB USE ONLY
-0.2
Sample Temperature
5.9/4.8
TM-807

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	Solaris Water Midstream	**Site Manager:**	Brittany Long
Project Name:	Bronco Water Release Revelation Pond		
Project Location: (county, state)	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		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	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 TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	AH-2 (1-1.5')	1/20/2023			X				X					X		X												X							
	AH-2 (2-2.5')	1/20/2023			X				X					X		X												X							
	AH-2 (3-3.5')	1/20/2023			X				X					X		X												X							
	AH-2 (4-4.5')	1/20/2023			X				X					X		X												X							
	AH-3 (0-1')	1/20/2023			X				X					X		X												X							
	AH-3 (1-1.5')	1/20/2023			X				X					X		X												X							
	AH-4 (0-1')	1/20/2023			X				X					X		X												X							
	AH-4 (1-1.5')	1/20/2023			X				X					X		X												X							
	AH-4 (2-2.5')	1/20/2023			X				X					X		X												X							
	AH-4 (3-3.5)	1/20/2023			X				X					X		X												X							

Relinquished by:	Date: 1/23/23	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 1/23/23 Time: 1542

LAB USE ONLY

Sample Temperature
5.6/4.8
-0.2
TM007

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Received by OCD: 11/29/2023 9:33:14 AM
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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	Solaris Water Midstream	**Site Manager:**	Brittany Long
Project Name:	Bronco Water Release Revelation Pond		
Project Location: (county, state)	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		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	AH-4 (4-4.5')	1/20/2023			X				X					X		X												X							

Relinquished by:	Date: 1/23/23	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 1-23-23 Time: 1548

LAB USE ONLY

Sample Temperature
5.0/4.8
-0.2
TAM-007

REMARKS:

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

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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	

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 4 (4') (H231978-04)

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	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 *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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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*	**0.126**	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 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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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 *122 %* *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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 13 (4') (H231978-13)

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	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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 18 (4') (H231978-18)

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	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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 28 (4') (H231978-28)

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	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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 2 (H231978-30)

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	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 BTEX	<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*

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-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

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CARDINAL Laboratories

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 #:	
Project Owner:	
Project Name:	Bronco Revelation Pond
Project Location:	Eddy County, NM
Sampler Name:	Brady Vaughan

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M (GRO - DRO - ORO)	Chloride SM 4500
H231978																	
1	BH-1 (4')		1			X					X		4/20/23	10:30	✓	✓	✓
2	BH-2 (4')													10:40			
3	BH-3 (4')													10:50			
4	BH-4 (4')													11:00			
5	BH-5 (4')													11:10			
6	BH-6 (4')													11:20			
7	BH-7 (4')													11:30			
8	BH-8 (4')													11:40			
9	BH-9 (4')													11:50			
10	BH-10 (4')													12:00			

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Relinquished By:	Date: 4-24-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1055		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 5.2	Sample Condition: Cool ☑ Yes Intact ☑ Yes	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.6	☐ No ☐ No		Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes Intact ☐ Yes ☐ No ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

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CARDINAL Laboratories

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 #:	Project Owner:
Project Name:	Bronco Revelation Pond
Project Location:	Eddy County, NM
Sampler Name:	Brady Vaughan

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M (GRO-DRO-ORO)	Chloride SM 4500
H231978 11	BH-11 (4')		1			X					X		4/20/23	12:30	✓	✓	✓
12	BH-12 (4')													12:40			
13	BH-13 (4')													12:50			
14	BH-14 (4')													1:00			
15	BH-15 (4')													1:10			
16	BH-16 (4')													1:20			
17	BH-17 (4')													1:30			
18	BH-18 (4')													1:40			
19	BH-19 (4')													1:50			
20	BH-20 (4')													2:00			

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Relinquished By:	Date: 4-24-23	Received By:	
	Time: 1055		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C	5.2	Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	T.O.
Sampler - UPS - Bus - Other:	Corrected Temp. °C	4.6			

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ Nc / Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 #:	
Project Owner:	
Project Name:	Bronco Revelation Pond
Project Location:	Eddy County, NM
Sampler Name:	Brady Vaughan

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M (GRO-DRO-ORO)	Chloride SM 4500
H231978																	
21	BH-21 (4')		1			X					X		4/20/23	2:30	✓	✓	✓
22	BH-22 (4')													2:40			
23	BH-23 (4')													2:50			
24	BH-24 (4')													3:00			
25	BH-25 (4')													3:10			
26	BH-26 (4')													3:20			
27	BH-27 (4')													3:30			
28	BH-28 (4')													3:40			
29	SW-1													3:50			
30	SW-2													4:00			

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Relinquished By:	Date: 4-24-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1055		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 5.2	Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.6			Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No — Observed Temp. °C — Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 3 (H232103-01)

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	05/01/2023	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	**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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	05/01/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	05/01/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	05/01/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	05/01/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	05/01/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: SW - 11 (H232103-09)

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	05/01/2023	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	**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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	05/01/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 31 (H232103-14)

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	05/02/2023	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 *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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 32 (H232103-15)

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	05/02/2023	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 *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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	05/01/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER 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 (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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 36 (H232103-19)

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	05/02/2023	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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 37 (H232103-20)

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	05/02/2023	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, 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	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 38 (H232103-21)

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	05/02/2023	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

Sample ID: BH - 39 (H232103-22)

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	05/02/2023	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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	05/01/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	05/01/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, 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	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	04/28/2023	Sampling Date:	04/25/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	BRONCO WATER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02820	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY, NM		

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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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

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Celey D. Keene, Lab Director/Quality Manager

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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
Brittany.long@tetratech.com

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

212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701

Receiving Laboratory: Cardinal Labs

Sampler Signature: Jorge Fernandez

Comments:

H232103

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)
1	SW-3	1-25-23			X			X		
2	SW-4									
3	SW-5									
4	SW-6									
5	SW-7									
6	SW-8									
7	SW-9									
8	SW-10									
9	SW-11									
10	SW-12									

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Jorge Fernandez V 4-28-23 1325

Received by: Date: Time:

Received by: Stodrigues 4/28/23 1328

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature 53 / COC

#7 - #113

REMARKS: X Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Page 53 of 56

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: (county, state) Lea County, NM

212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701

Receiving Laboratory: Cardinal Labs

Sampler Signature: Jorge Fernandez

Comments:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2022)	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD 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
H232103																												
11	SW-13	4-25-13			X			X			X		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:

Relinquished by: Date: Time:

Jorge Fernandez 4-28-23 1325

Received by: Date: Time:

S Rodriguez 4/28/23 1328

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature 5.3 C0.1C

47 #113

REMARKS: X Standard TAT

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Page 54 of 56

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: (county, state)

212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701

Receiving Laboratory: Cardinal Labs

Sampler Signature: Jorge Fernandez

Comments:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# 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
H232103		YEAR: 2022																										
21	BH-38	4-25-23			X			X			X		X												X				
22	BH-39																											
23	BH-40																											
24	BH-41																											
25	BH-42																											
26	BH-43																											
27	BH-44																											
28	BH-45																											
29	BH-46																											
30	~~BH-47~~ voided BH-47																											

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Jorge Fernandez 4-28-23 1325

Received by: Date: Time:

S Rodriguez 4/28/23 1328

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature 5.3 / 5.0 4-7c #113

REMARKS: Standard TAT

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Page 55 of 56

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: (county, state) Lea County, NM

212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701

Receiving Laboratory: Cardinal Labs

Sampler Signature: Jorge Fernandez

Comments:

H232103

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD 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
31	BH-48	4-25-23			X			X			X		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																											

ANALYSIS REQUEST (Circle or Specify Method No.)

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Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Jorge Fernandez V. 4-28-23 1325

Received by: S Rodriguez 4/28/23 1328

LAB USE ONLY

Sample Temperature 5.3 5.0 4.7 #113

REMARKS: X Standard TAT

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

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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
Brittany.long@tetratech.com

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

212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701

Receiving Laboratory: Cardinal Labs

Sampler Signature: Jorge Fernandez

Comments:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)
H232103		YEAR: 2022								
41	BH-58	4-25-23			X			X		
42	BH-59	↑			↑			↑		
43	BH-60									
44	BH-61									
45	BH-62									
46	BH-63									
47	BH-64									
48	BH-65									
49	BH-66	↓			↓			↓		

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	
	X		X												X				

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Zayd Dan Jr. V. 4-28-23 1325

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

4-28-23 1328

LAB USE ONLY

Sample Temperature 5.3 C-0.2 4-7: #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 #:

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CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, SM4500Cl-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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 71 (H232256-05)

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	05/09/2023	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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	05/09/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 91 (H232256-25)

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	05/09/2023	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 92 (H232256-26)

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	05/09/2023	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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, 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	05/08/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	05/08/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, 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	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 104 (H232256-38)

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	05/09/2023	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, 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	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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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 - 112 (H232256-46)

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	05/09/2023	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 *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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	05/09/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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 - 116 (H232256-50)

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 *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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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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 Revelation Pond		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Eddy County, NM	Project #:	212C-MD-02820
Invoice to:	M.F. 5/5/23 ~~Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701~~	Solaris ATTN: Rob Kirk	
Receiving Laboratory:	Cardinal Labs	Sampler Signature:	Miguel A. Flores
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2023)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	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	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
H232256																																				
1	BH-67	5/3/2023			x				x					x		x												x								
2	BH-68	5/3/2023			x				x					x		x												x								
3	BH-69	5/3/2023			x				x					x		x												x								
4	BH-70	5/3/2023			x				x					x		x												x								
5	BH-71	5/3/2023			x				x					x		x												x								
6	BH-72	5/3/2023			x				x					x		x												x								
7	BH-73	5/3/2023			x				x					x		x												x								
8	BH-74	5/3/2023			x				x					x		x												x								
9	BH-75	5/3/2023			x				x					x		x												x								
10	BH-76	5/3/2023			x				x					x		x												x								

Relinquished by:	Miguel A Flores	Date: 5/5/23	Time:
Received by:	S Rodriguez	Date: 5/5/23	Time: 1100
Relinquished by:		Date:	Time:
Received by:		Date:	Time:
Relinquished by:		Date:	Time:
Received by:		Date:	Time:

LAB USE ONLY
Sample Temperature
2.1c) C.O.C
1.5c #113

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

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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 Revelation Pond	(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Eddy County, NM	Project #: 212C-MD-02820
Invoice to: ~~Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701.~~ M.F. 5/6/23	
Receiving Laboratory: Cardinal Labs	Sampler Signature: Miguel A. Flores
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# 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
H23226		YEAR: 2023																											
11	BH-77	5/3/2023			x			x			x		x												x				
12	BH-78	5/3/2023			x			x			x		x												x				
13	BH-79	5/3/2023			x			x			x		x												x				
14	BH-80	5/3/2023			x			x			x		x												x				
15	BH-81	5/3/2023			x			x			x		x												x				
16	BH-82	5/3/2023			x			x			x		x												x				
17	BH-83	5/3/2023			x			x			x		x												x				
18	BH-84	5/3/2023			x			x			x		x												x				
19	BH-85	5/3/2023			x			x			x		x												x				
20	BH-86	5/3/2023			x			x			x		x												x				

Relinquished by: Miguel A Flores	Date: 5/5/23	Time:	Received by: Brad Rigney
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 5/5/23 Time: 1401

LAB USE ONLY
Sample Temperature 2.1 C 0.4
15: #113

REMARKS: Standard

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Received by OCD: 11/29/2023 9:33:14 AM

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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 Revelation Pond	(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Eddy County, NM	Project #: 212C-MD-02820
Invoice to: ~~Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701~~ M.F. 5/5/23	
Receiving Laboratory: Cardinal Labs	Sampler Signature: Miguel A. Flores
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	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	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
H232256																																				
21	BH-87	5/3/2023			X				X					X		X												X								
22	BH-88	5/3/2023			X				X					X		X												X								
23	BH-89	5/3/2023			X				X					X		X												X								
24	BH-90	5/3/2023			X				X					X		X												X								
25	BH-91	5/3/2023			X				X					X		X												X								
26	BH-92	5/3/2023			X				X					X		X												X								
27	BH-93	5/3/2023			X				X					X		X												X								
28	BH-94	5/3/2023			X				X					X		X												X								
29	BH-95	5/3/2023			X				X					X		X												X								
30	BH-96	5/3/2023			X				X					X		X												X								

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A Flores	5/5/23		Stodrigney	5/5/23	1600
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

ORIGINAL COPY

LAB USE ONLY
Sample Temperature
2.1 C-0.2
1.5 #113

REMARKS: Standard

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Page 623 of 1148

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 Revelation Pond

(432) 741-5813
Brittany.long@tetratech.com

Project Location: (county, state) Eddy County, NM

Project #: 212C-MD-02820

Invoice to: ~~Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701~~ M.F. 5/5/23

Receiving Laboratory: Cardinal Labs

Sampler Signature: Miguel A. Flores

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# 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
H032256																																
31	BH-97	5/3/2023			X			X			X		X												X							
32	BH-98	5/3/2023			X			X			X		X												X							
33	BH-99	5/3/2023			X			X			X		X												X							
34	BH-100	5/3/2023			X			X			X		X												X							
35	BH-101	5/3/2023			X			X			X		X												X							
36	BH-102	5/3/2023			X			X			X		X												X							
37	BH-103	5/3/2023			X			X			X		X												X							
38	BH-104	5/3/2023			X			X			X		X												X							
39	BH-105	5/3/2023			X			X			X		X												X							
40	BH-106	5/3/2023			X			X			X		X												X							

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by: Miguel A Flores Date: 5/5/23 Time:

Received by: Rodriguez Date: 5/5/23 Time: 1401

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature 2.1 C-0.2 1.5 #113

REMARKS: Standard

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

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 Revelation Pond	(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Eddy County, NM	Project #: 212C-MD-02820
Invoice to: ~~Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701~~ M.F. 5/5/23	
Receiving Laboratory: Cardinal Labs	Sampler Signature: Miguel A. Flores
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# 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
123305																																
41	BH-107	5/3/2023			x			x			x		x												x							
42	BH-108	5/3/2023			x			x			x		x												x							
43	BH-109	5/3/2023			x			x			x		x												x							
44	BH-110	5/3/2023			x			x			x		x												x							
45	BH-111	5/3/2023			x			x			x		x												x							
46	BH-112	5/3/2023			x			x			x		x												x							
47	BH-113	5/3/2023			x			x			x		x												x							
48	BH-114	5/3/2023			x			x			x		x												x							
49	BH-115	5/3/2023			x			x			x		x												x							
50	BH-116	5/3/2023			x			x			x		x												x							

Relinquished by: Miguel A Flores	Date: 5/5/23	Time:	Received by: Shoderney
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 5/5/23 Time: 1600

LAB USE ONLY
Sample Temperature 2.1 C +0.0 = 1.5 : HB

REMARKS: Standard

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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 *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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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	**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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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 *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	**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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	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*

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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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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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

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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 2

Client Name: Solaris Water Midstream
Site Manager: Brittany Long
Project Name: Bronco Water Revelation Pond
Project Location: (county, state) Eddy County, New Mexico
Project #: 212C-MD-02820
Invoice to: Solaris ATTN: Rob Kirk
Receiving Laboratory: Cardinal Laboratory
Sampler Signature: Ivan Ramos
Comments:

H232378

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD 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
1	BH-3 (5')	5/11/2023			x			x			x		x												x				
2	BH-4 (5')	5/11/2023			x			x			x		x												x				
3	BH-9 (5')	5/11/2023			x			x			x		x												x				
4	BH-23 (5')	5/11/2023			x			x			x		x												x				
5	BH-29 (5')	5/11/2023			x			x			x		x												x				
6	BH-30 (5')	5/11/2023			x			x			x		x												x				
7	BH-38 (5')	5/11/2023			x			x			x		x												x				
8	BH-39 (5')	5/11/2023			x			x			x		x												x				
9	BH-40 (5')	5/11/2023			x			x			x		x												x				
10	BH-47 (5')	5/11/2023			x			x			x		x												x				

ANALYSIS REQUEST (Circle or Specify Method No.)

Relinquished by: Ivan Ramos Date: 5-11-23 Time: @17:00
Received by: Shai Cisneros Date: 5/11/23 Time: 17:00

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

LAB USE ONLY
Sample Temperature 8:1
C-0.6°C
T-5
#113

REMARKS: Standard

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Page 641 of 1148

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 Location: (county, state) Eddy County, New Mexico	Project #: 212C-MD-02820
Invoice to: Solaris ATTN: Rob Kirk	
Receiving Laboratory: Cardinal Laboratory	Sampler Signature: Ivan Ramos
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
4232378																																
11	BH-51 (5')	5/11/2023			x			x			x		x														x					
12	BH-53 (5')	5/11/2023			x			x			x		x														x					
13	SW-3	5/11/2023			x			x			x		x														x					

Relinquished by: Ivan Ramos	Date: 5-11-23	Time: @17:00	Received by: Shay Cisneros
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 5/11/23 Time: 17:00

LAB USE ONLY
Sample Temperature 8.1
C-0.6E
7.5
#113

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

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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	Sampling Date:	05/12/2023
Reported:	05/15/2023	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: 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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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	Sampling Date:	05/12/2023
Reported:	05/15/2023	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: 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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	Sampling Date:	05/12/2023
Reported:	05/15/2023	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: 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, SM4500Cl-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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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Analysis Request of Chain of Custody Record

Page 1 of 1 (DLFV)

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 (432)-741-5813
Project Name: Bronco Water Release	
Project Location: (county, state) Lea County, NM	Project #: 212C-MD-02820
Invoice to: Solaris Attn: Rob Kirk	
Receiving Laboratory: Cardinal labs	Sampler Signature: Jorge L Fernandez
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)
H232404		YEAR: 2023											
1	BH-24	5-12-23			X				X				
2	BH-31	↓			X				X				
3	BH-32	↓			X				X				

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Jorge L Fernandez	5-12-23			5-12-23	1500
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
3.6°C
C-0.6°C
3.0°C #113

REMARKS: ~~Standard TAT~~ DLFV

☑ 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

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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 *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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	05/16/2023	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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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 *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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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 *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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 656 of 1148

CARDINAL Laboratories

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 brittany.long@tetratech.com
Address:
City: State: Zip:
Phone #: (432) 741-5813 Fax #:
Project #: 212C-MD-02820 Project Owner:
Project Name: Brown Water Release Revelation Pool
Project Location: Eddy County, NM
Sampler Name: Miguel Flores

BILL TO
P.O. #:
Company: Solaris
Attn: Solaris Rob Kirk
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B BTEX 8260B	TPH 8015M (GRO - DRO - ORO)	Chloride
H232426																	
1	SW-16					X					X		5/15/23		X	X	X
2	SW-22																
3	SW-19																
4	BH1-3H (5')																
5	BH1-H2 (5')																
6	BH1-H3 (5')																

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Relinquished By: Miguel Flores Date: 5/15/23 Time: 4:47pm Received By: Tamara Oldaker
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: Standard TAT

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 4.9
Corrected Temp. °C 4.3

Sample Condition: Cool ☑ Yes ☐ No; Intact ☐ Yes ☑ No

CHECKED BY: (Initials) TO

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ Nc; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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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

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ~~Solaris Midstream~~ Tetra Tech
Project Manager: Brittany Long
Address: 901 W. Wall St
City: Midland State: TX Zip: 79701
Phone #: Fax #:
Project #: 212C-MD-02820 Project Owner:
Project Name: Bronco Revelation Pond Release
Project Location: Lea County, NM
Sampler Name: Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	BTEX 8021B	TPH 8015M (GRO-DRO-MRO)	Chlorides (~~300.0~~) 4500
H232506																	
1	BH-50 (5')		1			X					X		5-17-23	10:00	X	X	X
2	BH-56 (5')													10:10			
3	BH-117 (4')													10:20			
4	BH-118 (4')													10:30			
5	BH-119 (4')													10:40			
6	BH-120 (4')													10:50			
7	BH-121 (4')													11:00			
8	BH-122 (4')													11:10			
9	BH-123 (4')													11:20			
10	BH-124 (4')													11:30			

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Relinquished By: Ivan Ramos Date: 5-17-23 Time: 17:00
Received By:
Relinquished By: Date: Time:
Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C 6.4
Corrected Temp. °C 5.8
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) T.O.

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.3 07/18/22

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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 *136 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *154 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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

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Celey D. Keene, Lab Director/Quality Manager

Page 682 of 1148

CARDINAL Laboratories

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 #:	212C-MD-02820
Project Owner:	
Project Name:	Bronco Revelation Pond Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

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.: H232545

	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M(GRO-DRO-MRO)	Chlorides (4500)
1	SW-1					X					X		5-18-23	8:45	X	X	X
2	BH-47 (5')													8:55			
3	BH-51 (5')													9:05			
4	BH-52 (5')													9:20			
5	BH-55 (5')													9:30			
6	BH-58 (5')													9:40			
7	BH-59 (5')													9:50			
8	BH-60 (5')													10:05			
9	BH-61 (5')													10:20			
10	BH-62 (5')													10:40			

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Relinquished By:	Date: 5-18-23	Received By:	
Relinquished By:	Time: 1710	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 3.2	Sample Condition: Cool ☑ Yes ☐ No	Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☒
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.6				Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ Nc Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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	05/21/2023	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 BTEX	<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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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	05/21/2023	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 BTEX	<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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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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

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02820
Project Owner:	
Project Name:	Bronco Revelation Pond Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M (GRO-ORO-MRO)	Chlorides (4500)
H232545 1	BH-36 (7.5')		1			X					X		5/18/23	3:00	X	X	X
2	BH-44 (5')		↓			↓					↓		5/18/23	3:10	↓	↓	↓

PLEASE NOTE: Liability and Damages. Cardinal's 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 consequental damages, including without limitation, business interruptions, 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: Ivan Ramos	Date: 5-18-23 Time: 17:00	Received By: Tamara Hildebrand	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.2 Corrected Temp. °C 2.6	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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 *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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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 - 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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 692 of 1148

CARDINAL Laboratories

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 #:	212C-MD-02820
Project Owner:	
Project Name:	Bronco Revelution Pond Water Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

BILL TO

P.O. #:	
Company:	Solaris Midstream
Attn:	Rob Kirk
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

TPH 8015 (GRO-DRO-MRO)
BTEX 8021B
Chlorides 4500

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021B	Chlorides 4500
H232598																	
1	BH-35 (5.5')		1			X					X		5/22/23	2:30	X	X	X
2	BH-50 (5')		↓			X					X		5/22/23	2:40	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's 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 consequental damages, including without limitation, business interruptions, 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: 5-22-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Ivan Ramos	Time: ~~17:00~~ 1715	S Rodriguez	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 4.0	Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials) SR	Turnaround Time: Standard ☐ Rush ☒
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.4			Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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 *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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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 - 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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 - 127 (H232599-03)

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	05/23/2023	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 *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	**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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 698 of 1148

CARDINAL Laboratories

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 #:	212C-MD-02820 Project Owner:
Project Name:	Bronco Revelation Pond Water Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015 (GRO-DRO-MRO)	Chlorides 4500
H232599-1	BH-125		1			X					X		5/22/23	9:00	X	X	X
-2	BH-126		↓			↓					↓		↓	11:00	↓	↓	↓
-3	BH-127													1:00			
-4	SR																

PLEASE NOTE: Liability and Damages. Cardinal's 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:	Date: 5-22-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: ~~17:00~~		All Results are emailed. Please provide Email address:
Relinquished By:	Date: 715	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 4.0	Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: ☒ Standard ☐ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.4			Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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	2.01	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 BTEX	<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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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, 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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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 *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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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 *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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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 *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	**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*

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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

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tetra Tech	**BILL TO** P.O. #:	
Project Manager:	Brittany Long	Company:	Solaris Midstream
Address:	901 W. Wall St	Attn:	Rob Kirk
City:	Midland State: TX Zip: 79701	Address:	
Phone #:	Fax #:	City:	
Project #:	212C-MD-02820 Project Owner:	State: Zip:	
Project Name:	Bronco Revelation Pond Water 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: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 (GRO-DRO-MRO)	BTEX 8021B	Chlorides 4500
H232059																	
1	BH-68 (5')					X							5/24/23	9:00	X	X	X
2	BH-70 (5')													9:10			
3	BH-71 (													9:15			
4	BH-74													9:25			
5	BH-75													9:35			
6	BH-76													9:45			
7	BH-77													9:55			
8	BH-79													10:10			
9	BH-80													10:25			
10	BH-81													10:35			

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Relinquished By: Ivan Ramos	Date: 5-24-23 Time: 17:05	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 4.3	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials) YC	Turnaround Time: Standard ☒ Rush ☐	Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.7			Thermometer ID #113 Correction Factor -0.6°C	Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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(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 #:	212C-MD-02820
Project Owner:	
Project Name:	Bronco Revelation Pond Water Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	TPH 8015 (GRO-DRO-MRO)	BTEX 8021B	Chlorides 4500
H232659-11	BH-83 (5')					X					X		5/24/23	11:30	X	X	X
12	BH-85 (5')													11:45			
13	BH-86 (5')													12:00			
14	BH-120 (4')													12:30			

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Relinquished By:	Ivan Ramos	Date: 5/24/23 Time: 17:05	Received By: Tamara Oldaker
Relinquished By:		Date: Time:	Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C	4.3	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	TY
Sampler - UPS - Bus - Other:	Corrected Temp. °C	3.7			

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ Nc Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

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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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	06/06/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	06/06/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	06/06/2023	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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	06/06/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	06/06/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 129 (4') (H232820-08)

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	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, 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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, SM4500Cl-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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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-02820
Project Owner:	
Project Name:	Bronco Revelation Pond Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015 (GRO-DRO-MRO)	Chlorides 4500
H232820 1	SW-14		X			X					X		6/2/23	8:50	X	X	X
2	SW-15													8:55			
3	SW-17													9:10			
4	SW-20													9:20			
5	SW-21													9:30			
6	SW-23													9:40			
7	BH-128 (4')													9:50			
8	BH-129 (4')													10:00			
9	BH-130 (4')													10:15			
10	BH-131 (4')													10:25			

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Relinquished By:	Ivan Ramos	Date:	6-2-23
		Time:	16:48
Relinquished By:		Date:	
		Time:	
Received By:	Tamara Addington		
Received By:			

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C	4.9	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	TO
Sampler - UPS - Bus - Other:	Corrected Temp. °C	4.3			

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

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CARDINAL Laboratories

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 #:	
Project Owner:	
Project Name:	Bronco Revelation Pond Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 (GRO-DRO-MRO)	BTEX 8021B	Chlorides 4500
H232820																	
11	BH-132 (4')		X			X					X		6/2/23	10:40	X	X	X
12	BH-133 (4')		↓			↓					↓		↓	10:55	↓	↓	↓
13	BH-134 (4')													13:30			
14	BH-135 (4')		↓			↓					↓		↓	13:45	↓	↓	↓

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Relinquished By:	Ivan Ramos	Date:	6-2-23
		Time:	16:48
Relinquished By:		Date:	
		Time:	
Received By:	Tamara Maldonado		
Received By:			

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C	4.9	Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C	4.3		

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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-02829
Project Owner:	
Project Name:	Bronco Revelation Pond Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 (GRO-DRO-MRO)	BTEX 8021B	Chlorides 4500
H232876											✓						
1	SW-24		1			X					X		6/6/23	9:00	X	X	X
2	BH-136 (4')													9:15			
3	BH-137 (4')													9:30			
4	BH-138 (4')													9:45			
5	BH-139 (4')													10:00			
6	BH-140 (4')													10:15			
7	BH-141 (4')													10:30			
8	BH-142 (4')													10:45			
9	BH-143 (4')													11:00			
10	BH-144 (4')													11:15			

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Relinquished By:	Date: 6-6-2023	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Ivan Ramos	Time: 16:45 PM		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 5.0
Corrected Temp. °C 4.4

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) JO

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 #: 212C-MD-02820 Project Owner:
Project Name: Bronco Revelation Pond Release
Project Location: Lea County, NM
Sampler Name: Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015 (GRO-DRO-MRO)	Chlorides 4500
H232876-11	BH-145 (4')		1			X					X		6/6/23	2:45			

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Relinquished By: Ivan Ramos Date: 6-6-2023 Time: 16:45 PM
Received By: Tamara Oldaker
Relinquished By: Date: Time:
Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C 5.0
Corrected Temp. °C 4.4
Sample Condition: Cool Yes / Intact Yes
CHECKED BY: (Initials) TO

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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 *93.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	06/12/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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 *78.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.0 %* *49.1-148*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	06/12/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, 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 Midstream	Site Manager:	Brittany Long
Project Name:	Bronco Revelation Pond Release		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02820
Invoice to:	Attn: Rob Kirk		
Receiving Laboratory:	Cardinal Labs	Sampler Signature:	Jorge Fernandez
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2022)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: 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
H232984																												
1	BH-147 (4.0')	6/9/2023			x			x			x		x												x				
2	BH-148 (4.0')	6/9/2023			x			x			x		x												x				
~~3~~	~~BH-149 (4.0')~~	~~6/9/2023~~			x			x			x		x												x				
4	BH-149 (4.0')	6/9/2023			x			x			x		x												x				
5	BH-150 (4.0')	6/9/2023			x			x			x		x												x				
6	BH-151 (4.0')	6/9/2023			x			x			x		x												x				
7	BH-152 (4.0')	6/9/2023			x			x			x		x												x				
8	BH-153 (4.0')	6/9/2023			x			x			x		x												x				
9	BH-154 (4.0')	6/9/2023			x			x			x		x												x				
10	BH-155 (4.0')	6/9/2023			x			x			x		x												x				

SR No sample

Relinquished by:	Date: 6/09/23 Time: 1654	Received by:	Date: 6-9-23 Time: 1655
Relinquished by:	Date: Time:	Received by:	Date: Time:
Relinquished by:	Date: Time:	Received by:	Date: Time:

LAB USE ONLY

Sample Temperature
5.8c
C-0.6c
5.2c #113

REMARKS: Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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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: (county, state)	Lea County, NM	Project #:	212C-MD-02820
Invoice to:	Attn: Rob Kirk		
Receiving Laboratory:	Cardinal Labs	Sampler Signature:	Jorge Fernandez
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD 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
H232984																																		
11	BH-156 (4.0')	6/9/2023			x				x					x		x												x						
12	BH-157(4.0')	6/9/2023			x				x					x		x												x						
13	BH-158(4.0')	6/9/2023			x				x					x		x												x						
14	BH-159 (4.0')	6/9/2023			x				x					x		x												x						
15	BH-160 (4.0')	6/9/2023			x				x					x		x												x						
16	BH-161 (4.0')	6/9/2023			x				x					x		x												x						
17	BH-162 (4.0')	6/9/2023			x				x					x		x												x						
18	BH-163 (4.0')	6/9/2023			x				x					x		x												x						
19	BH-164 (4.0')	6/9/2023			x				x					x		x												x						
20	BH-165 (4.0')	6/9/2023			x				x					x		x												x						

Relinquished by: Jorge Fernandez	Date: 6/09/23	Time: 1654	Received by:	Date: 6-9-23 Time: 1655
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by:	Date: Time:

LAB USE ONLY

Sample Temperature
5.8°C
C-0.6°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 #:

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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: (county, state) Lea County, NM	Project #: 212C-MD-02820
Invoice to: Attn: Rob Kirk	
Receiving Laboratory: Cardinal Labs	Sampler Signature: Jorge Fernandez
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# 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
H232984		YEAR: 2022																														
NO SAMPLE 21	BH-165 (4.0')	6/9/2023			x			x			x		x												x							
22	BH-166 (4.0')	6/9/2023			x			x			x		x												x							
23	BH-167 (4.0')	6/9/2023			x			x			x		x												x							
24	BH-168 (4.0')	6/9/2023			x			x			x		x												x							
25	BH-169 (4.0')	6/9/2023			x			x			x		x												x							
26	BH-170 (4.0')	6/9/2023			x			x			x		x												x							
27	BH-171 (4.0')	6/9/2023			x			x			x		x												x							
28	BH-172 (4.0')	6/9/2023			x			x			x		x												x							
29	BH-173 (4.0')	6/9/2023			x			x			x		x												x							
30	BH-146 (4.0')	6/9/2023																														

Relinquished by: Jorge Fernandez V.	Date: 6/9/23	Time:	Received by: Tamara Oldaker
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

Time: 1455 6-9-23

LAB USE ONLY

Sample Temperature
5.8c
C-0.6c
5.2c #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 #:

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CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	06/21/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	06/21/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	06/21/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	06/21/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	06/21/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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

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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

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St.
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02820
Project Owner:	
Project Name:	Bronco Revelation Pond Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides 4500	TPH 8015 (GRO-DRO-MRO)	BTEX 8021B
H233209-1	SW-25		1			X					X		6/20/23	9:00	X	X	X
2	SW-26													9:15			
3	SW-27													9:30			
4	SW-28													9:45			
5	SW-29													10:15			
6	SW-30													10:45			
7	SW-31													11:30			
8	SW-32													12:30			
9	SW-33													1:30			

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Relinquished By:	Date: 6-20-23	Received By:	
Ivan Ramos	Time: 17:00		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 3.0°C	Sample Condition Cool ☑ Yes ☐ No	Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.4°C			DC	Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, SM4500Cl-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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 45 (H234283-10)

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	08/14/2023	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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	08/13/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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	08/13/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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)

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	**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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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 *99.4 %* *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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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CARDINAL Laboratories

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 #: 212C-MD-02820 Project Owner:
Project Name: Bronco Revelation Pond Release
Project Location: Lea County, NM
Sampler Name: Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015M (GRO + DRO + MRO)	BTEX 8021B	Chlorides 4500
HZ34283 1	SW-36		1			X					X		8/8/23	10:00	X	X	X
2	SW-37													10:15			
3	SW-38													10:30			
4	SW-39													10:45			
5	SW-40													11:00			
6	SW-41													11:15			
7	SW-42													11:30			
8	SW-43													11:45			
9	SW-44													12:00			
10	SW-45													12:15			

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Relinquished By: Ivan Ramos Date: 8-9-23 Time: 1730
Received By:
Relinquished By: Date: Time:
Received By:

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 3.6 Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)
Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #140 Correction Factor 0°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

Page 818 of 1148

CARDINAL Laboratories

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 #:	212C-MD-02820 Project Owner:
Project Name:	Bronco Revelation Pond Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015M (GRO-DRO-MRO)	BTEX 8021B	Chlorides 4500
H234283 11	SW-46		1			X					X		8/8/23	12:30	X	X	X
12	SW-47													12:45			
13	SW-48													13:00			
14	SW-49													13:45			
15	SW-50													14:00			
16	SW-51													14:15			
17	SW-52													14:30			
18	SW-53													14:45			
19	SW-54													15:00			
20	SW-55													15:30			

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Relinquished By:	Date: 8-9-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1730		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 36
Corrected Temp. °C

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID #140
Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, 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	08/23/2023	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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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 - 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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CARDINAL Laboratories

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 #: 212C-MD-02820 Project Owner:
Project Name: Bronco Revelation Pond Release
Project Location: Lea County, NM
Sampler Name: Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015(GRO-DRO-MRO)	Chlorides 4500
H234518-1	SW-39		1			X					X		8/18/23	10:00	X	X	X
2	SW-42													11:00			
3	SW-50													12:00			
4	SW-51													12:30			
5	SW-52													13:00			
6	SW-37													13:30			
7	SW-38													14:00			
8	BH-227 (4')													14:30			
9	BH-228 (4')													14:45			
10	BH-229 (4')													15:00			

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Relinquished By: Ivan Ramos Date: 8-18-23 Time: 1651 Received By: S Rodriguez
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 0.1c Corrected Temp. °C
Sample Condition: Cool Yes No, Intact Yes No
CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #140
Correction Factor 0°C
Bacteria (only) Sample Condition: Cool Yes No, Intact Yes No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.4 07/11/23

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	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*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analysis Request of Chain of Custody Record

Page 5 of 5

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 Revelation Pond		(432) 741-5813 brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02820
Invoice to:	Solaris		
Receiving Laboratory:	Cardinal	**Sampler Signature:**	Miguel A. Flores
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	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
H234759		YEAR: 2023																																		
1	BH-217 @ 14.0'	8/31/2023			X				X					X		X												X								
2	SW-59	8/31/2023			X				X					X		X												X								

Relinquished by:	Date:	Time: 1000	Received by:
	9/1/23		Date: 9/1/23 Time: 1006
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature 0.6°C

#140

REMARKS: Standard

[X] RUSH: (Same Day) 24 hr 48 hr 72 hr

[ ] Rush Charges Authorized

[ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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eurofins | Environment Testing

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

See page two for job notes and contact information.

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my EOL

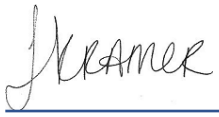
Eurofins Midland

Job Notes

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

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

Authorization



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Revision 1

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

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-30464-1
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.
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.
¤	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. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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 emaill, 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. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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')

Date Collected: 07/06/23 10:00
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-1
Matrix: Solid

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')

Date Collected: 07/06/23 10:15
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-2
Matrix: Solid

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*

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')

Date Collected: 07/06/23 10:15
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-2
Matrix: Solid

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')

Date Collected: 07/06/23 10:30
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-3
Matrix: Solid

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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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
Oll 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
Oll 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

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')

Date Collected: 07/06/23 11:00
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-5
Matrix: Solid

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
OII 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')

Date Collected: 07/06/23 11:15
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-6
Matrix: Solid

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*

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
Matrix: Solid
Date Collected: 07/06/23 11:15
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
Matrix: Solid
Date Collected: 07/06/23 11:30
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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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
Oll 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
Oll 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

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')

Date Collected: 07/06/23 12:00
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-9
Matrix: Solid

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')

Date Collected: 07/06/23 12:15
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-10
Matrix: Solid

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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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

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')

Date Collected: 07/06/23 13:15
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-13
Matrix: Solid

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')

Date Collected: 07/06/23 13:30
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-14
Matrix: Solid

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*

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
Matrix: Solid
Date Collected: 07/06/23 13:30
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
Matrix: Solid
Date Collected: 07/06/23 13:45
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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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
Oil 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
Oil 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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')

Date Collected: 07/06/23 14:45
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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')

Date Collected: 07/06/23 15:00
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-20
Matrix: Solid

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
Oll 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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

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
Matrix: Solid
Date Collected: 07/06/23 15:45
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
Oll 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
Matrix: Solid
Date Collected: 07/06/23 16:00
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
Oll 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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

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
Oll 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
Oll 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

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
Date Collected: 07/06/23 17:15
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-29
Matrix: Solid

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

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 (70-130)	DFBZ1 (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)

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

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*

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

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release SDG: Lea County, NM

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

Lab Sample ID: 880-30445-A-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57167 — **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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57133 — **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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57133 — **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 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57133 — **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

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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 — **Client Sample ID: BH-174 (4')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57133 — **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 — **Client Sample ID: BH-174 (4')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57133 — **Prep Batch: 57185**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57254 — **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

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release SDG: Lea County, NM

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

Lab Sample ID: LCS 880-57268/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57254 — **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 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57254 — **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 — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57254 — **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 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57254 — **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

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release SDG: Lea County, NM

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

Lab Sample ID: 880-30481-A-2-C MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57254 **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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57759 **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
Oll 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57759 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57759 **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

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

Surrogate	*LCSD %Recovery*	*LCSD 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

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

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	<49.7	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	*MSD %Recovery*	*MSD 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

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		07/13/23 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
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/13/23 09:12	07/14/23 07:48	1

Surrogate	*MB %Recovery*	*MB 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*

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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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		

Surrogate	*LCS %Recovery*	*LCS 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

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

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release SDG: Lea County, NM

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

Lab Sample ID: 890-4924-A-1-I MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57666 **Prep Batch: 57564**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	129		70 - 130

Lab Sample ID: MB 880-57730/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57996 **Prep Batch: 57730**

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		07/14/23 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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130	07/14/23 17:17	07/19/23 10:55	1
o-Terphenyl	169	S1+	70 - 130	07/14/23 17:17	07/19/23 10:55	1

Lab Sample ID: LCS 880-57730/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57996 **Prep Batch: 57730**

Analyte			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		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-57730/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57996 **Prep Batch: 57730**

Analyte			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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	90		70 - 130

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

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

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

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

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

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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	

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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	

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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	

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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

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	

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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	

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

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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

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')

Date Collected: 07/06/23 10:00
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-1
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			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')

Date Collected: 07/06/23 10:15
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-2
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			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')

Date Collected: 07/06/23 10:30
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-3
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			5.01 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')

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	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

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release SDG: Lea County, NM

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	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') Lab Sample ID: 880-30464-5

Date Collected: 07/06/23 11:00 **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			5.00 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') Lab Sample ID: 880-30464-6

Date Collected: 07/06/23 11:15 **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	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') Lab Sample ID: 880-30464-7

Date Collected: 07/06/23 11:30 **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			4.99 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

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

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')
Date Collected: 07/06/23 12:30
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-11
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	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')
Date Collected: 07/06/23 13:00
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-12
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	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')
Date Collected: 07/06/23 13:15
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-13
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	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')
Date Collected: 07/06/23 13:30
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	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')
Date Collected: 07/06/23 14:15
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-17
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	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')
Date Collected: 07/06/23 14:30
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-18
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			4.95 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')
Date Collected: 07/06/23 14:45
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-19
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			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')
Date Collected: 07/06/23 15:00
Date Received: 07/07/23 14:22

Lab Sample ID: 880-30464-20
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	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

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
Matrix: Solid
Date Collected: 07/06/23 15:15
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
Matrix: Solid
Date Collected: 07/06/23 15:30
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
Matrix: Solid
Date Collected: 07/06/23 15:45
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
Matrix: Solid
Date Collected: 07/06/23 16:00
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
Matrix: Solid
Date Collected: 07/06/23 16:00
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
Matrix: Solid
Date Collected: 07/06/23 16:15
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
Matrix: Solid
Date Collected: 07/06/23 16:30
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
Matrix: Solid
Date Collected: 07/06/23 16:45
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
Matrix: Solid
Date Collected: 07/06/23 16:45
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
Matrix: Solid
Date Collected: 07/06/23 17:00
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
Matrix: Solid
Date Collected: 07/06/23 17:15
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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-30464-1
Project/Site: Bronco Revelation Pond Water Release 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

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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

880-30464 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 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	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
	BH-174 (4')	7/6/2023	10:00		X			X	1		X		X												X				
	BH-175 (4')	7/6/2023	10:15		X			X	1		X		X												X				
	BH-176 (4')	7/6/2023	10 30		X			X	1		X		X												X				
	BH-177 (4')	7/6/2023	10 45		X			X	1		X		X												X				
	BH-178 (4')	7/6/2023	11:00		X			X	1		X		X												X				
	BH-179 (4')	7/6/2023	11 15		X			X	1		X		X												X				
	BH-180 (4')	7/6/2023	11:30		X			X	1		X		X												X				
	BH-181 (4')	7/6/2023	11:45		X			X	1		X		X												X				
	BH-182 (4')	7/6/2023	12 00		X			X	1		X		X												X				
	BH-183 (4')	7/6/2023	12 15		X			X	1		X		X												X				

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by	Date	Time	Received by	Date	Time
Ivan Ramos	7-7-23	14:20			
Relinquished by	Date	Time	Received by	Date	Time
				7/7/23	1422
Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY
Sample Temperature
5.0147

REMARKS
Standard

- RUSH Same Day 24 hr 48 hr 72 hr
- Rush Charges Authorized
- Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Page 2 of ____

Tetra Tech, Inc.

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

304164

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	

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	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
	BH-184 (4')	7/6/2023	12 30		X			X	1		X		X												X					
	BH-185 (4')	7/6/2023	1 00		X			X	1		X		X												X					
	BH-186 (4')	7/6/2023	1 15		X			X	1		X		X												X					
	BH-187 (4')	7/6/2023	1 30		X			X	1		X		X												X					
	BH-188 (4')	7/6/2023	1 45		X			X	1		X		X												X					
	BH-189 (4')	7/6/2023	2 00		X			X	1		X		X												X					
	Bh-190 (4')	7/6/2023	2 15		X			X	1		X		X												X					
	BH-191 (4')	7/6/2023	2 30		X			X	1		X		X												X					
	BH-192 (4')	7/6/2023	2.45		X			X	1		X		X												X					
	BH-193 (4')	7/6/2023	3 00		X			X	1		X		X												X					

	Date	Time
Relinquished by: Ivan Ramos	7-7-23	14.20
Relinquished by:		
Relinquished by:		

	Date	Time
Received by:	7/7/23	1422
Received by:		
Received by:		

LAB USE ONLY

Sample Temperature

REMARKS

Standard

☐ RUSH Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Loc: 880
30464
of 1

Tetra Tech, Inc.

901 West Wall St, Suite 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 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 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	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
	BH-194 (4')	7/6/2023	15·15		X			X	1		X		X											X					
	BH-195 (4')	7/6/2023	15 30		X			X	1		X		X											X					
	BH-196 (4')	7/6/2023	15 45		X			X	1		X		X											X					
	BH-197 (4')	7/6/2023	16 00		X			X	1		X		X											X					
	BH-198 (4')	7/6/2023	16.15		X			X	1		X		X											X					
	BH-199 (4')	7/6/2023	16.30		X			X	1		X		X											X					
	BH-200 (4')	7/6/2023	16 45		X			X	1		X		X											X					
	BH-201 (4')	7/6/2023	17 00		X			X	1		X		X											X					
	SW-34	7/6/23	17:15		X			X	1		X		X											X					

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by:	Date	Time	Received by:	Date	Time
Ivan Ramos	7-7-23	14:20	[signature]	7/7/23	1422
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

LAB USE ONLY
Sample Temperature

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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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	

eurofins | Environment Testing

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

See page two for job notes and contact information.

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my EOL

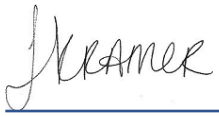
Eurofins Midland

Job Notes

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

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

Authorization



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

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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

Case Narrative

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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

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Case Narrative

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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

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
Matrix: Solid
Date Collected: 08/10/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 08/10/23 00:00
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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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
OII 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
OII 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

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

Date Collected: 08/10/23 00:00
Date Received: 08/11/23 11:00

Lab Sample ID: 880-31956-33

Matrix: Solid

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
OII 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

Surrogate Summary

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)

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

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

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)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(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

Surrogate Summary

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

Job ID: 880-31956-1
SDG: Lea County, NM

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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		

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

QC Sample Results

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) (Continued)

Lab Sample ID: LCS 880-60815/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60646 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60646 **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 **Client Sample ID: BH-222 (5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60646 **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 **Client Sample ID: BH-222 (5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60646 **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

QC Sample Results

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) (Continued)

Lab Sample ID: 880-31956-21 MSD **Client Sample ID: BH-222 (5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60646 **Prep Batch: 60815**

Surrogate	MSD %Recovery	MSD 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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60635 **Prep Batch: 60592**

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 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
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 17:58	08/21/23 07:55	1

Surrogate	MB %Recovery	MB 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60635 **Prep Batch: 60592**

Analyte			Spike Added	LCS Result	LCS 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	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-60592/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60635 **Prep Batch: 60592**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

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) (Continued)

Lab Sample ID: 880-31956-1 MS **Client Sample ID: BH-202 (5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60635 **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 **Client Sample ID: BH-202 (5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60635 **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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60630 **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
OII 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60630 **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

QC Sample Results

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) (Continued)

Lab Sample ID: LCS 880-60593/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60630 **Prep Batch: 60593**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: LCSD 880-60593/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60630 **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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 880-31941-A-1-F MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60630 **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		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: 880-31941-A-1-G MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60630 **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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	127		70 - 130

QC Sample Results

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) (Continued)

Lab Sample ID: MB 880-60603/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60642 **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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60642 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60642 **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 **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60642 **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

QC Sample Results

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) (Continued)

Lab Sample ID: 880-31901-A-1-C MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60642 **Prep Batch: 60603**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-31901-A-1-D MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60642 **Prep Batch: 60603**

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	<50.4	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

Surrogate	MSD %Recovery	MSD 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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60060

Analyte	MB Result	MB 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	267.1		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-59948/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60060

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	267.1		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-31956-1 MS **Client Sample ID: BH-202 (5')**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60060

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	952	F1	251	1148	F1	mg/Kg		78	90 - 110

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-31956-1 MSD — **Client Sample ID: BH-202 (5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 60060

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 — **Client Sample ID: BH-212 (5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 60060

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 — **Client Sample ID: BH-212 (5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 60060

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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 60061

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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 60061

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 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 60061

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 — **Client Sample ID: BH-222 (5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 60061

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 — **Client Sample ID: BH-222 (5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 60061

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

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	387		249	630.8		mg/Kg		98	90 - 110	0	20

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

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	

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)

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	

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	

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)

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

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: 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	

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	

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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. Job ID: 880-31956-1
Project/Site: Bronco Revelation Pond Water Release 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: 880-31956-1
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

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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

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	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	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
	BH-202 (5')	8/10/2023	8·30		X			X	1		X		X											X								
	BH-203 (5')	8/10/2023	8 40		X			X	1		X		X											X								
	BH-204 (5')	8/10/2023	8 50		X			X	1		X		X											X								
	BH-205 (5')	8/10/2023	9·00		X			X	1		X		X											X								
	BH-206 (5')	8/10/2023	9·10		X			X	1		X		X											X								
	BH-207 (5')	8/10/2023	9 20		X			X	1		X		X											X								
	BH-208 (5')	8/10/2023	9 30		X			X	1		X		X											X								
	BH-209 (5')	8/10/2023	9.40		X			X	1		X		X											X								
	BH-210 (5')	8/10/2023	9.50		X			X	1		X		X											X								
	BH-211 (5')	8/10/2023	10 00		X			X	1		X		X											X								

	Date	Time
Relinquished by: Ivan Ramos	8-11-23	
Relinquished by:		
Relinquished by:		
Received by:	8/11/23	1100
Received by:		
Received by:		

LAB USE ONLY

Sample Temperature 29/26

Yes

REMARKS

Standard

☐ RUSH Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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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

319856

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	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	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
	BH-212 (5')	8/10/2023	10.10		X			X	1		X		X												X					
	BH-213 (5')	8/10/2023	10 20		X			X	1		X		X												X					
	BH-214 (5')	8/10/2023	10 30		X			X	1		X		X												X					
	BH-215 (5')	8/10/2023	10 40		X			X	1		X		X												X					
	BH-216 (5')	8/10/2023	10 50		X			X	1		X		X												X					
	BH-217 (2')	8/10/2023	11:00		X			X	1		X		X												X					
	BH-218 (2')	8/10/2023	11.10		X			X	1		X		X												X					
	BH-219 (2')	8/10/2023	11 20		X			X	1		X		X												X					
	BH-220 (5')	8/10/2023	11 30		X			X	1		X		X												X					
	BH-221 (5')	8/10/2023	11 40		X			X	1		X		X												X					

	Date	Time
Relinquished by: Ivan Ramos	8-11-23	
Relinquished by:		
Relinquished by:		

	Date	Time
Received by:	8/11/23	1100
Received by:		
Received by:		

LAB USE ONLY
Sample Temperature

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

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Analysis Request of Chain of Custody Record

31956

8/23/2023

Tetra Tech, Inc.

901 West Wall St, Suite 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 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.	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	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
	BH-222 (5')		11.50		X			X	1		X		X												X					
	BH-223 (4')		12 00		X			X	1		X		X												X					
	BH-224 (4')		12 10		X			X	1		X		X												X					
	BH-225 (4')		12 20		X			X	1		X		X												X					
	BH-226 (4')		12·30		X			X	1		X		X												X					
	BH-227 (3')		12 40		X			X	1		X		X												X					
	BH-228 (3')		12 50		X			X	1		X		X												X					
	BH-229 (3')		13 00		X			X	1		X		X												X					
	BH-230 (3')		13 10		X			X	1		X		X												X					
	SW-56		13·20		X			X	1		X		X												X					

Relinquished by	Date	Time	Received by	Date	Time
Ivan Ramos	8-11-23			8/11/23	1100
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY

Sample Temperature

REMARKS

Standard

☐ RUSH Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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Loc: 880
31956

Analysis Request of Chain of Custody Record

Pag

8/23/2023

Tetra Tech, Inc.

901 West Wall St, Suite 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 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 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	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
	SW-57	8/10/2023	13 30		X			X	1		X		X												X					
	SW-58	8/10/2023	13 40		X			X	1		X		X												X					
	SW-35	8/10/2023	13 50		X			X	1		X		X												X					

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by	Date	Time	Received by	Date	Time
Ivan Ramos	8-11-23			8/11/23	1100
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY
Sample Temperature

REMARKS
Standard
RUSH Same Day 24 hr 48 hr 72 hr
Rush Charges Authorized
Special Report Limits or TRRP Report

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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	

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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)

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	**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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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, 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	08/23/2023	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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, 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*

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	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 - 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*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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 - 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*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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CARDINAL Laboratories

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 #: 212C-MD-02820 Project Owner:
Project Name: Bronco Revelation Pond Release
Project Location: Lea County, NM
Sampler Name: Ivan Ramos

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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015(GRO-DRO-MRO)	Chlorides 4500
H234518 1	SW-39		1			X					X		8/18/23	10:00	X	X	X
2	SW-42													11:00			
3	SW-50													12:00			
4	SW-51													12:30			
5	SW-52													13:00			
6	SW-37													13:30			
7	SW-38													14:00			
8	BH-227 (4')													14:30			
9	BH-228 (4')													14:45			
10	BH-229 (4')													15:00			

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Relinquished By: Ivan Ramos Date: 8-18-23 Time: 1651 Received By: S Rodriguez
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 0.1c Corrected Temp. °C
Sample Condition: Cool Yes No, Intact Yes No
CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:
Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #140
Correction Factor 0°C
Bacteria (only) Sample Condition: Cool Yes No, Intact Yes No
Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.4 07/11/23

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

TETRA TECH

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 CO_2 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**	

TETRA TECH

Appendix G

Treated Backfill Analytical Laboratory Reports

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/01/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

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	

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CARDINAL Laboratories

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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:	05/01/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/01/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/01/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

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, 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	

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, 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	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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/01/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP D - 2 / FLIP 1 (H232165-20)

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 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

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 Owner: Stan Mickle
Project Name: Bronco Revalation
Project Location: Lea County
Sampler Name: Jason Cave

BILL TO
P.O. #:
Company: Solaris water Midst.
Attn: Rob Kirk
Address: 9811 Katy Fwy, Ste 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: rob.kirk@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
H232165-1	Comp A-1 / Flip 1	C	1			✓					✓		5/1/23		X
2	Comp A-2 / Flip 1														
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 Damages. Cardinal's 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 invoice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, 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: 5/3/23 Time: 0850 Received By:
Relinquished By: Date: Time: Received By:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C -4.3 Corrected Temp. °C -4.9
Sample Condition: Cool: Yes / No; Intact: Yes / No
CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:
Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 Owner: Stan MicKle
Project Name: Bronco Revalation
Project Location: Lea County
Sampler Name: Jason Cave

BILL TO

P.O. #:
Company: Solaris Water Midst.
Attn: Rob Kirk
Address: 9811 Katy Fwy Ste 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: rob.kirk@arisunter.com

ANALYSIS REQUEST

Chlorides

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	Chlorides
H232165															
11	Comp B-5 / Flip 1	C	1			✓					✓		5/1/23		X
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 analyses. 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: 5/3/23 Time: 0850 Received By: S Rodriguez
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 4.3 Corrected Temp. °C 4.9
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition
Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 Owner: Stan Mickle
Project Name: Bronco Revalation
Project Location: Lea County
Sampler Name: Jason Cave

BILL TO

P.O. #:
Company: Solaris Water Midstr
Attn: Rob Kirk
Address: 9811 Katy Fwy, Ste 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: robkirk@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H232165-21	Comp D-3/Flip 1	C	1			✓					✓		5/1/23		X
-22	Comp D-4/Flip 1	"	"			"					"		"		"
-23	Comp D-5/Flip 1	"	"			"					"		"		"
-24	Comp D-6/Flip 1	"	"			"					"		"		"

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Relinquished By: Date: 5/3/23 Time: 0850 Received By:
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C -4.3 Corrected Temp. °C -4.9
Sample Condition: Cool Yes Intact Yes / No No
CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:
Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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 1 - FLIP 1 (H232201-01)

Chloride, SM4500Cl-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, SM4500Cl-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, 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	05/05/2023	ND	432	108	400	0.00	

Sample ID: COMP- E 4 - FLIP 1 (H232201-04)

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	05/05/2023	ND	432	108	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: QX Soil Inc
Project Manager: Stan Mickle
Address: 195 W Main St.
City: Decatur State: TX Zip: 76234
Phone #: (682) 352-6394 Fax #:
Project #: Project Owner: Stan Mickle
Project Name: Blanco Recreation
Project Location: Lea County
Sampler Name: Jason Cave

BILL TO

P.O. #:
Company: Solaris Water Mid
Attn: Rob Kirk
Address: 811 Katy Fwy Ste 800
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5629
Fax #: robkirk@solariswater.com

ANALYSIS REQUEST

Chlorides

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H232201-1	Comp-E1-Flip 1	C	1			X					X		5/3/23	10:00am	X
2	Comp-E2-Flip 1														
3	Comp-E3-Flip 1														
4	Comp-E4-Flip 1														
5	Comp-E5-Flip 1														
6	Comp-E6-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 consequental damages, including without limitation, business interruptions, 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: 5-3-23 Time: 1625 Received By:
Relinquished By: Date: Time: Received By:

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 5.4
Corrected Temp. °C 4.8
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) T.O.

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	05/08/2023
Reported:	05/09/2023	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 - A3 / FLIP 1 (H232271-01)

Chloride, SM4500Cl-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, 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	05/09/2023	ND	416	104	400	3.92	

Sample ID: COMP - B1 / FLIP 1 (H232271-03)

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	05/09/2023	ND	416	104	400	3.92	

Sample ID: COMP - B3 / FLIP 1 (H232271-04)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	05/09/2023	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	05/08/2023
Reported:	05/09/2023	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 - 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	

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 1008 of 1148

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RKSOIL Inc.
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: Branco Relocation
Project Location: Lea County
Sampler Name: Jason Cove

BILL TO

P.O. #:
Company: Solaris Water Midst.
Attn: Rob Kirk
Address: 9811 Katy Fwy Ste 709
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: rob.kirk@solariswater.com

ANALYSIS REQUEST

Chloride

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride
H232271															
1	Comp - A3 / Flip 1	C	1			X							5/8/23	12:00pm	X
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														

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Relinquished By: Date: 5-8-23 Time: 1537 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: Email to: RX Group
Email to cloic.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Turnaround Time: Standard ☐ Rush ☒
Thermometer ID #113
Correction Factor -0.6°C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 2.4 Corrected Temp. °C 1.8

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	05/09/2023
Reported:	05/10/2023	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 B - 5 / FLIP 1 (H232309-01)

Chloride, SM4500Cl-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, 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 - 1 / FLIP 1 (H232309-03)

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	05/10/2023	ND	432	108	400	3.77	

Sample ID: COMP E - 1 / FLIP 1 (H232309-04)

Chloride, SM4500Cl-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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	05/09/2023
Reported:	05/10/2023	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 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 Owner: Stan Mickle
Project Name: Bronco Revalation
Project Location: Lea County
Sampler Name: Tristan Turley

BILL TO

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@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H232309-1	Comp B-5/Flip 1	C	1			✓					✓		5/9/23		X
2	Comp B-6/Flip 1	C													X
3	Comp D-1/Flip 1	C													X
4	Comp E-1/Flip 1	C													X
5	Comp E-6/Flip 1	C													X
6	Comp B-4/Flip 1	C													X
7	Comp D-2/Flip 1	C													X

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Relinquished By: Tristan Turley Date: 5-9-23 Time: 1650 Received By: Tamara Oldaker
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: email to Rxgroup
email to Clair.Gonzales@tetratech.com
email to Brittany.Long@tetratech.com

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 2.1 Corrected Temp. °C 0.5
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TO

Turnaround Time: Standard ☐ Rush ☑ 24hrs
Thermometer ID #113 Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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, 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	05/15/2023	ND	432	108	400	0.00	

Sample ID: COMP F - 3 / FLIP 2 (H232377-02)

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	05/15/2023	ND	432	108	400	0.00	

Sample ID: COMP F - 4 / FLIP 2 (H232377-03)

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	05/15/2023	ND	432	108	400	0.00	

Sample ID: COMP F - 5 / FLIP 2 (H232377-04)

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	05/15/2023	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 - 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 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, 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 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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 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, 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 - 2 / FLIP 2 (H232377-22)

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	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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

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**
Project Manager: Stan Mickle	P.O. #:
Address: 105 W Main St	Company: Solaris Water Midstream
City: Decatur State: TX Zip: 76234	Attn: Rob Kirk
Phone #: (682)-352-1039 Fax #:	Address: 9811 Katy Fwy, Ste. 708
Project #: Project Owner: Stan Mickle	City: Houston
Project Name: Bronco Revalation	State: TX Zip: 77024
Project Location: Lea County	Phone #: 469-978-5620
Sampler Name: Tristan Turley	Fax #:

ANALYSIS REQUEST: Chlorides

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
H232377															
1	Comp F-2 / Flip 2	C	1			✓					✓		5/11/23	8:55am	X
2	Comp F-3 / Flip 2	"	"			"					"		"	9:00am	"
3	Comp F-4 / Flip 2	"	"			"					"		"	9:05am	"
4	Comp F-5 / Flip 2	"	"			"					"		"	9:10am	"
5	Comp F-6 / Flip 2	"	"			"					"		"	9:15am	"
6	Comp G-1 / Flip 2	"	"			"					"		"	9:20am	"
7	Comp G-2 / Flip 2	"	"			"					"		"	9:25am	"
8	Comp G-3 / Flip 2	"	"			"					"		"	9:30am	"
9	Comp G-4 / Flip 2	"	"			"					"		"	9:35am	"
10	Comp G-5 / Flip 2	"	"			"					"		"	9:40am	"

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Relinquished By: Tristan Turley	Date: 5-11-23 Time: 16:50	Received By: Shan Cisneros	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address:
			REMARKS: email to Rxgroup; email to Clair.Gonzales@tetratech.com; email to Brittany.Long@tetratech.com

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.5 Corrected Temp. °C 0.9	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) DC	Turnaround Time: Standard ☑ Rush ☐; Thermometer ID #113 Correction Factor -0.6°C; Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

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CARDINAL Laboratories

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**	
Project Manager:	Stan Mickle	P.O. #:	
Address:	105 W Main St	Company:	Solaris Water Midstream
City:	Decatur	State: TX Zip: 76234	Attn: Rob Kirk
Phone #:	(682) 352-1039	Fax #:	Address: 9811 Katy Fwy Ste 700
Project #:		Project Owner: Stan Mickle	City: Houston
Project Name:	Bronco Revalation		State: TX Zip: 77024
Project Location:	Lea County		Phone #: 469-978-5620
Sampler Name:	Tristan Turley		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H232377															
11	Comp G-6/Flip 2	C	1			✓					✓		5/11/23	8:05am	X
12	Comp H-2/Flip 2													8:10am	
13	Comp H-3/Flip 2													8:15am	
14	Comp H-4/Flip 2													8:20am	
15	Comp H-5/Flip 2													8:25am	
16	Comp H-6/Flip 2													8:30am	
17	Comp I-2/Flip 2													8:35am	
18	Comp I-3/Flip 2													8:40am	
19	Comp I-4/Flip 2													8:45am	
20	Comp I-5/Flip 2													8:50am	

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Relinquished By:	Date: 5.11.23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 16:50		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: email to Rxgroup
	Time:		email to Clair.Gonzales@tetratech.com
			email to Brittany.Long@tetratech.com

Delivered By: (Circle One)	Observed Temp. °C 1.5	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) DC	Turnaround Time: ☑ Standard ☐ Rush	Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.9			Thermometer ID #113 Correction Factor -0.6°C	Corrected Temp. °C

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101 East Marland, Hobbs, NM 88240
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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 Revalation
Project Location: Lea County
Sampler Name: Tristan Turley

BILL TO

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 #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
H232377-21	Comp J-1 / Flip 2	C	1			✓					✓		5/11/23	9:45am	X
22	Comp J-2 / Flip 2													9:50am	
23	Comp J-3 / Flip 2													9:55am	
24	Comp J-4 / Flip 2													10:00am	
25	Comp J-5 / Flip 2													10:05am	
26	Comp J-6 / Flip 2													10:10am	

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Relinquished By: Tristan Turley Date: 5.11.23 Time: 1650
Received By: Shan Cisneros
Relinquished By: Date: Time:
Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 1.5 Corrected Temp. °C 0.9
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) JC

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: email to Rxgroup
email to Clair.Gonzales@tetratech.com
email to Brittany.Long@tetratech.com

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	05/12/2023
Reported:	05/17/2023	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 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

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 Revalation
Project Location: Lea County
Sampler Name: Tristan Turley

BILL TO

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 #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	PRESERV.: ACID/BASE:	ICE / COOL	OTHER	SAMPLING: DATE	TIME	Chlorides
H232409															
1	Comp F-1 / Flip 2	C	1			✓					✓		5/12/23		X
2	Comp H-1 / Flip 2	〃	〃			〃					〃		〃		〃
3	Comp I-1 / Flip 2	〃	〃			〃					〃		〃		
4	Comp I-6 / Flip 2	〃	〃			〃					〃		〃		

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Relinquished By: Tristan Turley Date: 5-12-23 Time: 1435
Received By: Tamara Oldaker
Relinquished By: Date: Time:
Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 2.5 Corrected Temp. °C 1.9
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TO

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: email to RXgroup
email to clair.Gonzales@tetratech.com
email to Brittany.Long@tetratech.com

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	06/26/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP - FLIP 3 / K1 (H233301-01)

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	06/27/2023	ND	416	104	400	3.77	

Sample ID: COMP - FLIP 3 / K3 (H233301-02)

Chloride, SM4500Cl-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, 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	06/27/2023	ND	416	104	400	3.77	

Sample ID: COMP - FLIP 3 / L1 (H233301-04)

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	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

CARDINAL Laboratories

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	Sampling Date:	06/26/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

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, 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	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

CARDINAL Laboratories

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	Sampling Date:	06/26/2023
Reported:	06/27/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

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, 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 / O3 (H233301-12)

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	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	

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 1034 of 1148

CARDINAL Laboratories

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: Jason Cave

BILL TO

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@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
H233301-1	Comp - Flip 3 / K1	C	1			X					✓		6/26	9:30am	X
2	Comp - Flip 3 / K3														
3	Comp - Flip 3 / K4														
4	Comp - Flip 3 / L1														
5	Comp - Flip 3 / L2														
6	Comp - Flip 3 / L3														
7	Comp - Flip 3 / M1														
8	Comp - Flip 3 / N1														
9	Comp - Flip 3 / N6														
10	Comp - Flip 3 / O1														

PLEASE NOTE: Liability and Damages. Cardinal's 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: Date: 6-26-23 Time: 1437 Received By: SRodriguez
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: email to Rxgroup, clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 4.4 Corrected Temp. °C 3.8
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) SR

Turnaround Time: Standard ☐ Rush ☑
Thermometer ID #113 Correction Factor -0.5°C -0.6
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☑ No
Observed Temp. °C 24 hr
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.2 10/07/21

Received by OCD: 11/29/2023 9:33:14 AM

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CARDINAL Laboratories

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 Revalation
Project Location: Lea County
Sampler Name: Jason Cave

BILL TO

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@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
H233301															
11	Comp - Flip 3 / 02	C	1			✓					✓		6/26	9:30am	X
12	Comp - Flip 3 / 03	"	"			"					"		"	"	"
13	Comp - Flip 3 / 06	"	"			"					"		"	"	"

PLEASE NOTE: Liability and Damages. Cardinal's 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 consequental damages, including without limitation, business interruptions, 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: 6.26.23 Time: 1437 Received By: S Rodriguez
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 4.4 Corrected Temp. °C 3.8
Sample Condition: Cool: Yes / Intact: Yes
CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com
Turnaround Time: Standard ☐ Rush ☑ (24 HR)
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.3 07/18/22

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	06/27/2023
Reported:	06/28/2023	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 - 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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 1039 of 1148

CARDINAL Laboratories

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 Revalation
Project Location: Lea County
Sampler Name: Jason Cave

BILL TO

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@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	chlorides
H233328-1	Comp - Flip 3 / K3	C	1			X					✓		6/27	2:00pm	X

PLEASE NOTE: Liability and Damages. Cardinal's 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 consequental damages, including without limitation, business interruptions, 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: 6-27-23 Time: 1600 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C 3.6
Corrected Temp. °C 3.0
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) T.

Turnaround Time: Standard ☐ Rush ☑ 24hrs
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM
Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	07/05/2023
Reported:	07/06/2023	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 P - 1 / FLIP 4 (H233433-01)

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	07/06/2023	ND	432	108	400	0.00	

Sample ID: COMP P - 4 / FLIP 4 (H233433-02)

Chloride, SM4500Cl-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, 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	07/06/2023	ND	432	108	400	0.00	

Sample ID: COMP P - 6 / FLIP 4 (H233433-04)

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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	07/05/2023
Reported:	07/06/2023	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 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, 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	07/06/2023	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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

RX-SOIL INC.
STAN MICKLE
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102
Fax To: NA

Received:	07/06/2023	Sampling Date:	07/05/2023
Reported:	07/06/2023	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 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

RX-SOIL INC.
STAN MICKLE
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102
Fax To: NA

Received:	07/06/2023	Sampling Date:	07/05/2023
Reported:	07/06/2023	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 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	

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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

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

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:	9811 Katy Fwy Ste 700
City:	Houston
State:	TX Zip: 77024
Phone #:	469-978-5620
Fax #:	robkirk@ariswater.com

ANALYSIS REQUEST: Chlorides

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H233433															
1	Comp P-1 / Flip 4	C	1			✓					✓		7-5	10:45am	X
2	Comp P-4 / Flip 4														
3	Comp P-5 / Flip 4														
4	Comp P-6 / Flip 4														
5	Comp Q-1 / Flip 4														
6	Comp Q-2 / Flip 4														
7	Comp Q-4 / Flip 4														
8	Comp R-4 / Flip 4														
9	Comp R-5 / Flip 4														
10	Comp R-6 / Flip 4														

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Relinquished By:	Date: 7-6-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 0825		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com
	Time:		

Delivered By: (Circle One)	Observed Temp. °C -3.4	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑ 24hrs
Sampler - UPS - Bus - Other:	Corrected Temp. °C -4.0			Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ Nc; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

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CARDINAL Laboratories

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** P.O. #:	
Project Manager:	Stan Mickle	Company:	Solaris Water Midstream
Address:	105 W Main St.	Attn:	Rob Kirk
City:	Decatur	State: TX Zip: 76234	Address: 9811 Katy Fwy Ste 700
Phone #:	(682) 352-1039	Fax #:	City: Houston
Project #:		Project Owner: Stan Mickle	State: TX Zip: 77024
Project Name:	Bronco Revelation		Phone #: 469-978-5620
Project Location:	Lea County		Fax #: robkirk@arisuwater.com
Sampler Name:	Tristan Turley		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: X Chlorides
H233433															
11	Comp S-1 / Flip 4	C	1			✓					✓		7-5	10:45am	X
12	Comp S-3 / Flip 4														
13	Comp S-4 / Flip 4														
14	Comp S-5 / Flip 4														
15	Comp T-2 / Flip 4														
16	Comp T-3 / Flip 4														
17	Comp T-4 / Flip 4														
18	Comp T-5 / Flip 4														
19	Comp T-6 / Flip 4														

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Relinquished By:	Date: 7-6-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 0825		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com
	Time:		

Delivered By: (Circle One)	Observed Temp. °C -3.4	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑ 24hrs
Sampler - UPS - Bus - Other:	Corrected Temp. °C -4.0			Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	07/06/2023
Reported:	07/07/2023	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 P - 2 / FLIP 4 (H233452-01)

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	07/07/2023	ND	432	108	400	3.77	

Sample ID: COMP P - 3 / FLIP 4 (H233452-02)

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	07/07/2023	ND	432	108	400	3.77	

Sample ID: COMP Q - 3 / FLIP 4 (H233452-03)

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	07/07/2023	ND	432	108	400	3.77	

Sample ID: COMP Q - 5 / FLIP 4 (H233452-04)

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	07/07/2023	ND	432	108	400	3.77	

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

RX-SOIL INC.
STAN MICKLE
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102
Fax To: NA

Received:	07/06/2023	Sampling Date:	07/06/2023
Reported:	07/07/2023	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 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	

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	07/06/2023
Reported:	07/07/2023	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 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, 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	

Cardinal Laboratories *=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Mike Snyder For 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

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 Revalation
Project Location: Lea County
Sampler Name: Tristan Turley

BILL TO
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@ariswater.com

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides
H233452															
1	Comp P-2 / Flip 4	C	1			✓					✓		7/6	9:00am	X
2	Comp P-3 / Flip 4														
3	Comp Q-3 / Flip 4														
4	Comp Q-5 / Flip 4														
5	Comp Q-6 / Flip 4														
6	Comp R-1 / Flip 4														
7	Comp R-2 / Flip 4														
8	Comp R-3 / Flip 4														
9	Comp S-2 / Flip 4														
10	Comp S-6 / Flip 4														

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Relinquished By: Date: 7-6-23 Time: 1630 Received By:
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 0.9 Corrected Temp. °C 0.3
Sample Condition: Cool Yes Intact Yes
CHECKED BY: (Initials) TO

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Turnaround Time: Standard ☐ Rush ☑ 24hrs
Thermometer ID #113 Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM
Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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**
Project Manager: Stan Mickle	P.O. #:
Address: 105 W Main. St.	Company: Solaris water midstream
City: Decatur State: TX Zip: 76234	Attn: Rob Kirk
Phone #: (682) 352-1039 Fax #:	Address: 9811 Katy Fwy Ste 700
Project #: Project Owner: Stan Mickle	City: Houston
Project Name: Bronco Revalation	State: TX Zip: 77024
Project Location: Lea County	Phone #: 469-978-5620
Sampler Name: Tristan Turley	Fax #: robKirk@ariswater.com

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST
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	Chlorides
H233452 11	Comp T-1 / Flip 4	C	1			✓					✓		7/6	9:00am	X

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Relinquished By:	Date: 7-6-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1630		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 0.9	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.3	☑ Yes ☑ Yes ☐ No ☐ No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C
				Thermometer ID #113 Correction Factor -0.6°C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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, 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	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - U - 5 / FLIP 5 (H233884-02)

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	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - V - 1 / FLIP 5 (H233884-03)

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	07/31/2023	ND	416	104	400	0.00	

Sample ID: COMP - V - 4 / FLIP 5 (H233884-04)

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	07/31/2023	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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 - 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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 - 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, SM4500Cl-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, 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	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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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 - 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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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

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: 9811 Katy Fwy Ste 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: robkirk@arisWater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	PRESERV: ACID/BASE	ICE / COOL	OTHER	SAMPLING: DATE	TIME	Chlorides
H233884 1	Comp U-4 / Flip 5	C	1			✓					✓		7/25	10:00am	X
2	Comp U-5 / Flip 5														
3	Comp V-1 / Flip 5														
4	Comp V-4 / Flip 5														
5	Comp V-5 / Flip 5														
6	Comp V-6 / Flip 5														
7	Comp W-1 / Flip 5														
8	Comp W-3 / Flip 5														
9	Comp W-4 / Flip 5														
10	Comp W-5 / Flip 5														

PLEASE NOTE: Liability and Damages. Cardinal's 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: Tristan Turley Date: 7/25/23 Time: 16:19 Received By: Shan Cisneros
Relinquished By: Date: Received By:
Time:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C Corrected Temp. °C 0.7c°
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) JC

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Turnaround Time: #140 Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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Page 1063 of 1148

CARDINAL Laboratories

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: 9811 Katy Fwy Ste 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: robkirk@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
H233884															
11	Comp W-6 / Flip 5	C	1			✓					✓		7/25	10:00am	X
12	Comp X-1 / Flip 5	〃	〃			〃					〃		〃	〃	〃
13	Comp X-2 / Flip 5	〃	〃			〃					〃		〃	〃	〃
14	Comp X-3 / Flip 5	〃	〃			〃					〃		〃	〃	〃
15	Comp X-4 / Flip 5	〃	〃			〃					〃		〃	〃	〃
16	Comp X-5 / Flip 5	〃	〃			〃					〃		〃	〃	〃
17	Comp X-6 / Flip 5	〃	〃			〃					〃		〃	〃	〃
18	Comp Y-2 / Flip 5	〃	〃			〃					〃		〃	〃	〃
19	Comp Y-3 / Flip 5	〃	〃			〃					〃		〃	〃	〃
20	Comp Y-6 / Flip 5	〃	〃			〃					〃		〃	〃	〃

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Relinquished By: Date: 7/25/23 Time: 16:19 Received By: Shawn Cisneros
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C
Corrected Temp. °C 0.7°
Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials) SC

Turnaround Time: #140 Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	07/26/2023
Reported:	07/27/2023	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 - 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

CARDINAL Laboratories

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	Sampling Date:	07/26/2023
Reported:	07/27/2023	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 - 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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 1068 of 1148

CARDINAL Laboratories

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: 9811 Katy Fwy Ste 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: robkirk@arisWater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H233918	Comp U-1 / Flip 5	C	1			✓					✓		7/26	9:30am	X
2	Comp U-2 / Flip 5	〃	〃			〃					〃		〃	〃	〃
3	Comp U-6 / Flip 5	〃	〃			〃					〃		〃	〃	〃
4	Comp V-3 / Flip 5	〃	〃			〃					〃		〃	〃	〃
5	Comp W-2 / Flip 5	〃	〃			〃					〃		〃	〃	〃
6	Comp Y-1 / Flip 5	〃	〃			〃					〃		〃	〃	〃
7	Comp Y-4 / Flip 5	〃	〃			〃					〃		〃	〃	〃

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Relinquished By: Tristan Turley Date: 7/26/23 Time: 16:15 Received By: Shay Linares
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Turnaround Time: Standard ✓ Rush
Thermometer ID #140 Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C
24hrs

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C Corrected Temp. °C 0.4°C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) SC

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	07/27/2023
Reported:	07/28/2023	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 - 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 1072 of 1148

CARDINAL Laboratories

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: 9811 Katy Fwy Ste 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: robkirk@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
H233942															
1	Comp U-3 / Flip S	C	1			✓					✓		7/27	9:00am	X
2	Comp V-2 / Flip S	"	"			"					"		"	"	"
3	Comp Y-5 / Flip S	"	"			"					"		"	"	"

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Relinquished By: Tristan Turley Date: 7/27/23 Time: 11:15 Received By: Shaw Simeon
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C Corrected Temp. °C 1.3°
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)
Turnaround Time: #140 Standard ☐ Rush ☑ 24hrs
Thermometer ID #113 Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/01/2023
Reported:	08/02/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP W - 6 / FLIP 5 (H234058-01)

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	08/02/2023	ND	448	112	400	7.41	

Sample ID: COMP X - 1 / FLIP 5 (H234058-02)

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	08/02/2023	ND	448	112	400	7.41	

Sample ID: COMP X - 6 / FLIP 5 (H234058-03)

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	08/02/2023	ND	448	112	400	7.41	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 1076 of 1148

CARDINAL Laboratories

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:
Project Name: Bronco Revelation
Project Location: Lea County
Sampler Name: Tristan Turley

BILL TO

P.O. #:
Company: Solaris Water Midstream
Attn: Rob Kirk
Address: 9811 Katy Fwy stc 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: robkirk@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H234058															
1	Comp W-6 / Flip 5	C	1			✓					✓		8/1/23	7:30am	X
2	Comp X-1 / Flip 5	"	"			"					"		"	"	"
3	Comp X-6 / Flip 5														

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Relinquished By: Date: 8-1-23 Time: 1604 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: email to Rxgroup, Brittany.Long@tetratech.com, Clair.Gonzales@tetratech.com

Turnaround Time: Standard ☐ Rush ☒ #140 24 HR
Thermometer ID #113
Correction Factor -0.5°C

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 2.4c
Corrected Temp. °C
Sample Condition: Cool Yes ☐ Intact Yes ☐ No ☐
CHECKED BY: (Initials) SR
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/08/2023
Reported:	08/14/2023	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 - 1 / FLIP 6 (H234245-01)

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	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP Z - 3 / FLIP 6 (H234245-02)

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 Z - 4 / FLIP 6 (H234245-03)

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	

Sample ID: COMP Z - 5 / FLIP 6 (H234245-04)

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	08/10/2023	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/08/2023
Reported:	08/14/2023	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 - 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, 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	08/10/2023	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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/08/2023
Reported:	08/14/2023	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 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, 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	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP BB - 4 / FLIP 6 (H234245-12)

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	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP CC - 2 / FLIP 6 (H234245-13)

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	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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/08/2023
Reported:	08/14/2023	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 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

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:	Jason Cave

BILL TO

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@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H234245															
1	Comp Z-1/Flip 6	C	1			✓					✓		8/8/23	10:00am	X
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	"	"			"					"		"	"	"

PLEASE NOTE: Liability and Damages. Cardinal's 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:	Date: 8-8-23	Received By:	
	Time: 1607		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Delivered By: (Circle One)	Observed Temp. °C 5.6	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C			Thermometer ID ~~#113~~ #140 Correction Factor ~~-0.5°C~~ +0

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

8/8/23

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

Page 1084 of 1148

CARDINAL Laboratories

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:	Jason Cave

BILL TO

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@arisswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	X Chlorides
H234245															
11	Comp BB-3 / Flip 6	C	1			✓					✓		8/8/23	10:00am	X
12	Comp BB-4 / Flip 6	"	"			"					"		"	"	
13	Comp CC-2 / Flip 6	"	"			"					"		"	"	
14	Comp CC-3 / Flip 6	"	"			"					"		"	"	
15	Comp CC-4 / Flip 6	"	"			"					"		"	"	
16	Comp DD-2 / Flip 6	"	"			"					"		"	"	
17	Comp DD-4 / Flip 6	"	"			"					"		"	"	
18	Comp DD-5 / Flip 6	"	"			"					"		"	"	
19	Comp DD-6 / Flip 6	"	"			"					"		"	"	

PLEASE NOTE: Liability and Damages. Cardinal's 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:	Date: 8-8-23	Received By:	
	Time: 1607		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Delivered By: (Circle One)	Observed Temp. °C 5.6	Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ / Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C			Thermometer ID #113 → #140 / Correction Factor -0.5°C → 8/8/23

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No — Observed Temp. °C — Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

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:

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.

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SAMPLE SUMMARY

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

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

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

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

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.1		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
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	Batch
	%			date / time	
Total Solids	83.2		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	160	T8	11.2	24.3	1.01	07/21/2023 05:24	WG2098766

Received by OCD: 11/29/2023 9:33:14 AM

COMP L4-FLIP 3
Collected date/time: 06/21/23 00:00

SAMPLE RESULTS - 03

L1637242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	99.3	T8	10.7	23.2	1	07/21/2023 05:41	WG2098766

Released to Imaging: 2/28/2024 1:49:44 PM

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	211	T8	10.7	23.3	1	07/21/2023 05:58	WG2098766

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	138	T8	10.9	23.8	1	07/21/2023 06:15	WG2098766

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	07/20/2023 17:05	WG2098779

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	487	T8	10.9	23.6	1	07/21/2023 06:32	WG2098766

Method Blank (MB)

(MB) R3951075-1 07/20/23 17:05

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

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 %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.3	86.6	1	0.332		10

Laboratory Control Sample (LCS)

(LCS) R3951075-2 07/20/23 17:05

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

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) mg/kg	DUP Result (dry) mg/kg	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) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	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

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.

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	LAO000356
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.

Analysis Request of Chain of Custody Record

Page 1 of 1

Tetra Tech, Inc.

4000 N. Big Spring Street, Ste 401 Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

L1637247

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 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD 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
	Comp. K2 - Flip 3	6/21			X			X	1																X						-01
	Comp. K6 - Flip 3	6/21							1																						-02
	Comp. L4 - Flip 3	6/21							1																						-03
	Comp. M3 - Flip 3	6/21							1																						-04
	Comp. M6 - Flip 3	6/21							1																						-05
	Comp N5 - Flip 3	6/21							1																						-06

Relinquished by:	Date: 7/19/23	Time: 8:43am	Received by: Date: 7/19/23 Time: 1700
Relinquished by: SWA	Date:	Time:	Received by: Date: 7/20/23 Time: 0800
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature GBAG 11.6 40=11.6

REMARKS:

- [x] 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:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	N		

Released to Imaging: 2/28/2024 1:49:44 PM

Received by OCD: 11/29/2023 9:33:14 AM

7/20 NCF-L1637242 TETRAHTX

R0/R1

Time estimate: oh **Time spent:** oh

Members

Nicolle Faulk (responsible) CU Chad Upchurch Christopher McCord

- [ ] Parameter(s) past holding time
- [x] 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

Page 1100 of 1148

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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, 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	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP AA - 5 / FLIP 6 (H234265-02)

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	0.00	

Sample ID: COMP BB - 5 / FLIP 6 (H234265-03)

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	08/10/2023	ND	432	108	400	0.00	

Sample ID: COMP BB - 6 / FLIP 6 (H234265-04)

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	08/10/2023	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

CARDINAL Laboratories

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 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

CARDINAL Laboratories

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.

Celey D. Keene, Lab Director/Quality Manager

Page 1105 of 1148

CARDINAL Laboratories

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: Jason Cave

BILL TO

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

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H234265			2 *												
1	Comp Z-S/Flip 6	C	1			√					√		8/9/23	8:30am	X
2	Comp AA-S/Flip 6	"	"			"					"		"	"	"
3	Comp BB-S/Flip 6	"	"			"					"		"	"	"
4	Comp BB-6/Flip 6	"	"			"					"		"	"	"
5	Comp CC-S/Flip 6	"	"			"					"		"	"	"
6	Comp CC-6/Flip 6	"	"			"					"		"	"	"
7	Comp DD-3/Flip 6	"	"			"					"		"	"	"

PLEASE NOTE: Liability and Damages. Cardinal's 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: Date: 8-9-23 Time: 1447 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
* Sample ID changed as per Maverick. CH 8/10/23
REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 1.6 Corrected Temp. °C
Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)
Turnaround Time: Standard ☑ Rush
Thermometer ID #113 #140 Correction Factor -0.5°C
Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/10/2023
Reported:	08/11/2023	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 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

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 1109 of 1148

CARDINAL Laboratories
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: 9811 Katy Fwy Ste 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: robkirk@solariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
H234329															
1	Comp AA-2/Flip 6	C	1			✓					✓		8/10	9:00am	X
2	Comp BB-2/Flip 6	C	1			✓					✓		8/10	9:00am	X
3	Comp CC-1/Flip 6	C	1			✓					✓		8/10	9:00am	X
4	Comp DD-1/Flip 6	C	1			✓					✓		8/10	9:00am	X

PLEASE NOTE: Liability and Damages. Cardinal's 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: Date: 8/10/23 Time: 16:25 Received By: Shay Cisneros
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 0.9c Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) JC

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: email to RXgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com
Turnaround Time: Standard ☐ Rush ☑ #140 24hrs
Thermometer ID #113 Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.2 10/07/21

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CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/15/2023
Reported:	08/16/2023	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 - 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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 1113 of 1148

CARDINAL Laboratories

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: Blondo Revelation
Project Location: Lea County
Sampler Name: Jason Cove

BILL TO

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

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER	PRESERV: ACID/BASE, ICE / COOL, OTHER	SAMPLING: DATE	SAMPLING: TIME	Chloride
H234411 1	Comp-BB4/Flip 6		X	X SOIL	X ICE / COOL	8/15	9:00	X

PLEASE NOTE: Liability and Damages. Cardinal's 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: Date: 8-15-23 Time: 1639 Received By:
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Observed Temp. °C 2.6 Sample Condition Cool Intact: Yes Yes / No No CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: Corrected Temp. °C

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: Email to RXgovt, Chris.Gonzales@tetratech.com
Brittany.Long@tetratech.com

Turnaround Time: Standard ☐ Rush ☑ Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Thermometer ID #113 #140 Yes Yes
Correction Factor 0.6°C -1.0 - 8/15/23 24hr No No Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/29/2023
Reported:	08/30/2023	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 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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/29/2023
Reported:	08/30/2023	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 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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/29/2023
Reported:	08/30/2023	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 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	08/29/2023
Reported:	08/30/2023	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 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

Page 1120 of 1148

CARDINAL Laboratories

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: 9811 Katy Fwy Ste 760
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: robKirk@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides
H234705															
1	Comp EE-1 / Flip 7	C	1			✓					✓		8/29	9:30am	X
2	Comp EE-2 / Flip 7														
3	Comp EE-3 / Flip 7														
4	Comp FF-1 / Flip 7														
5	Comp FF-2 / Flip 7														
6	Comp FF-3 / Flip 7														
7	Comp GG-1 / Flip 7														
8	Comp GG-2 / Flip 7														
9	Comp GG-3 / Flip 7														
10	Comp HH-1 / Flip 7														

PLEASE NOTE: Liability and Damages. Cardinal's 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: Tristan Turley Date: 8-29-23 Time: 16:35
Received By: Tamara Oldaker
Relinquished By: Date: Time:
Received By:

Delivered By: (Circle One) ...ler - UPS - Bus - Other:
Observed Temp. °C 2.3
Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TB

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: email to RXgroup, Clair.Gonzales@tetratech.com, BriHany.Long@tetratech.com
Turnaround Time: Standard ☐ Rush 24hr ☑
Thermometer ID #113 #140
Correction Factor -0.6°C TO 8/29/23
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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CARDINAL Laboratories

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: 9811 Katy Fwy Ste 700
City: Houston
State: TX Zip: 77024
Phone #: 469-978-5620
Fax #: robKirk@ariswater.com

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	X Chlorides
H234705															
11	Comp HH-2 / Flip 7	C	1			✓					✓		8/29	7:30am	X
12	Comp HH-3 / Flip 7	"	"			"					"		"	"	"
13	Comp II-1 / Flip 7	"	"			"					"		"	"	"
14	Comp II-2 / Flip 7	"	"			"					"		"	"	"
15	Comp II-3 / Flip 7	"	"			"					"		"	"	"

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Relinquished By: Date: 8.29.23 Time: 1635 Received By:
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 23 Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TD

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: email to Rxgroup, Clair.Gonzales@tetratech.com, Brittany.Long@tetratech.com

Turnaround Time: Standard ☐ Rush 24 ☑
Thermometer ID #113 #140 Correction Factor -0.5°C TD 8/29/23
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.2 10/07/21

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CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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-A1-F1 DUP (H232146-01)

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	05/03/2023	ND	400	100	400	3.92	

Sample ID: C-A3-F1 DUP (H232146-02)

Chloride, SM4500Cl-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, 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	05/04/2023	ND	400	100	400	3.92	

Sample ID: C-A2-F1 DUP (H232146-04)

Chloride, SM4500Cl-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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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Analysis Request of Chain of Custody Record

Page 5 of 5

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: (county, state) Lea County, NM	**Project #:** 212C-MD-02820
Invoice to: Solaris Attn: Rob Kirk	
Receiving Laboratory: Cardinal Labs	**Sampler Signature:** Jorge Fernandez
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	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 TDS	General Water Chemistry (see attached list)	Anion/Cation Balance			Hold
H232146																																		
1	C-A1-F1 Dup	5/1/2023			x				x																			x						
2	C-A3-F1 Dup	5/1/2023			x				x																			x						
3	C-A4-F1 Dup	5/1/2023			x				x																			x						
4	C-A2-F1 Dup	5/1/2023			x				x																			x						
5	C-B6-F1 Dup	5/1/2023			x				x																			x						
6	C-A5-F1 Dup	5/1/2023			x				x																			x						

Relinquished by:	Date:	Time:	Received by:
[signature] L. Fernandez V.	5/1/23	5:00pm	[signature] 1040 5-2-23
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

LAB USE ONLY

Sample Temperature
4.0°c
C-0.1.6°c
3.4°c

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

Received by OCD: 11/29/2023 9:33:14 AM

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CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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, 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	416	104	400	0.00	

Sample ID: COMP - G3 - FLIP 2-DUP (H232379-02)

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	416	104	400	0.00	

Sample ID: COMP - H4 - FLIP 2-DUP (H232379-03)

Chloride, SM4500Cl-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, 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	05/15/2023	ND	416	104	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, 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	

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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Analysis Request of Chain of Custody Record

Page 5 of 5

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 Location: (county, state)	Eddy County, New Mexico	Project #:	212C-MD-02820
Invoice to:	Solaris ATTN: Rob Kirk		
Receiving Laboratory:	Cardinal Laboratory	Sampler Signature:	Ivan Ramos
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# 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
H232379																													
1	Comp-F2-Flip 2-DUP	5/11/2023			X			X																	X				
2	Comp-G3-Flip 2-DUP	5/11/2023			X			X																	X				
3	Comp-H4-Flip 2-DUP	5/11/2023			X			X																	X				
4	Comp-I5-Flip 2-DUP	5/11/2023			X			X																	X				
5	Comp-J6-Flip 2-DUP	5/11/2023			X			X																	X				
6	Comp-F4-Flip 2-DUP	5/11/2023			X			X																	X				

Relinquished by: Ivan Ramos	Date: 5-11-23	Time: @ 17:00	Received by: Thau Cisneros
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: Date: 5/11/23 Time: 17:00

LAB USE ONLY

Sample Temperature 6.2 C -0.6° C 5.6 #113

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

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

CARDINAL Laboratories

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	06/21/2023
Reported:	06/22/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

Sample ID: COMP - FLIP 3 / K2 (H233232-01)

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	7.41	

Sample ID: COMP - FLIP 3 / K5 (H233232-02)

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	06/22/2023	ND	416	104	400	7.41	

Sample ID: COMP - FLIP 3 / K6 (H233232-03)

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	06/22/2023	ND	416	104	400	7.41	

Sample ID: COMP - FLIP 3 / L4 (H233232-04)

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	06/22/2023	ND	416	104	400	7.41	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

RX-SOIL INC.
STAN MICKLE
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102
Fax To: NA

Received:	06/22/2023	Sampling Date:	06/21/2023
Reported:	06/22/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

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, 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	06/22/2023	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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	Sampling Date:	06/21/2023
Reported:	06/22/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

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	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

RX-SOIL INC.
STAN MICKLE
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102
Fax To: NA

Received:	06/22/2023	Sampling Date:	06/21/2023
Reported:	06/22/2023	Sampling Type:	Soil
Project Name:	BRONCO REVELATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS - LEA COUNTY		

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	

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Page 1138 of 1148

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	RT SOIL
Project Manager:	Stan Mickle
Address:	105 W Main St.
City:	De Cater State: TX Zip: 76234
Phone #:	(682) 352-1034 Fax #:
Project #:	Project Owner: Stan Mickle
Project Name:	Bronco Revelation
Project Location:	Lea County
Sampler Name:	Jason Cove

BILL TO

P.O. #:	
Company:	Solaris Water Midstream
Attn:	Rob Kirk
Address:	811 Katy Fwy Ste. 700
City:	Houston
State: TX	Zip: 77024
Phone #:	469-978-5620
Fax #:	robkirk@orixwater.com

ANALYSIS REQUEST: Chloride

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	Chloride
H233232															
1	Comp-Flip 3 / K2	C	1			X					X		6/21/23	9:00	X
2	Comp - Flip 3 / K5														
3	Comp - Flip 3 / K6														
4	Comp - Flip 3 / L4														
5	Comp - Flip 3 / L5														
6	Comp - Flip 3 / L6														
7	Comp - Flip 3 / M2														
8	Comp - Flip 3 / M3														
9	Comp - Flip 3 / M4														
10	Comp - Flip 3 / M5														

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Relinquished By:	Date: 6.22.23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 0918		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: email RX Group Chair.Gonzales@tetratech.com; Britton.Long@tetratech.com
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 4.4	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) SR	Turnaround Time: Standard ☐ Rush ☑ 24 HR
Sampler - UPS - Bus - Other:	Corrected Temp. °C -1.0			Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 11/29/2023 9:33:14 AM

Released to Imaging: 2/28/2024 1:49:44 PM

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CARDINAL Laboratories

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** P.O. #:	
Project Manager:	Stan Mickle	Company:	Solaris Water Midstream
Address:	105 W Main St.	Attn:	Rob Kirk
City:	Decatur	State: TX Zip:	76234
Phone #:	(682) 352-6394	Fax #:	
Project #:		Project Owner:	Stan Mickle
Project Name:	Bronco Revelation	City:	Houston
Project Location:	Lea County	State: TX Zip:	77024
Sampler Name:	Jason Cave	Phone #:	469-978-5520
		Fax #:	Robkirk@solariswater

ANALYSIS REQUEST: Chloride

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	Chloride
#233232													6/22/23		
11	Comp - Flip 3 / M6	C	1			X					X		6/22/23	12:30	X
12	Comp - Flip 3 / N2														
13	Comp - Flip 3 / N3														
14	Comp - Flip 3 / N4														
15	Comp - Flip 3 / N5														
16	Comp - Flip 3 / O4														
17	Comp - Flip 3 / O5														

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Relinquished By:	Date: 6.22.23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 0918		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: email RX Gard Clair.Gonzales@tetratech.com Brittany.Long@tetratech.com
	Time:		

Delivered By: (Circle One)	Observed Temp. °C -0.4	Sample Condition Cool ☐ Yes ☑ Yes Intact ☐ No ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑ 24 HR
Sampler - UPS - Bus - Other:	Corrected Temp. °C -7.0			Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C ____ Corrected Temp. °C ____

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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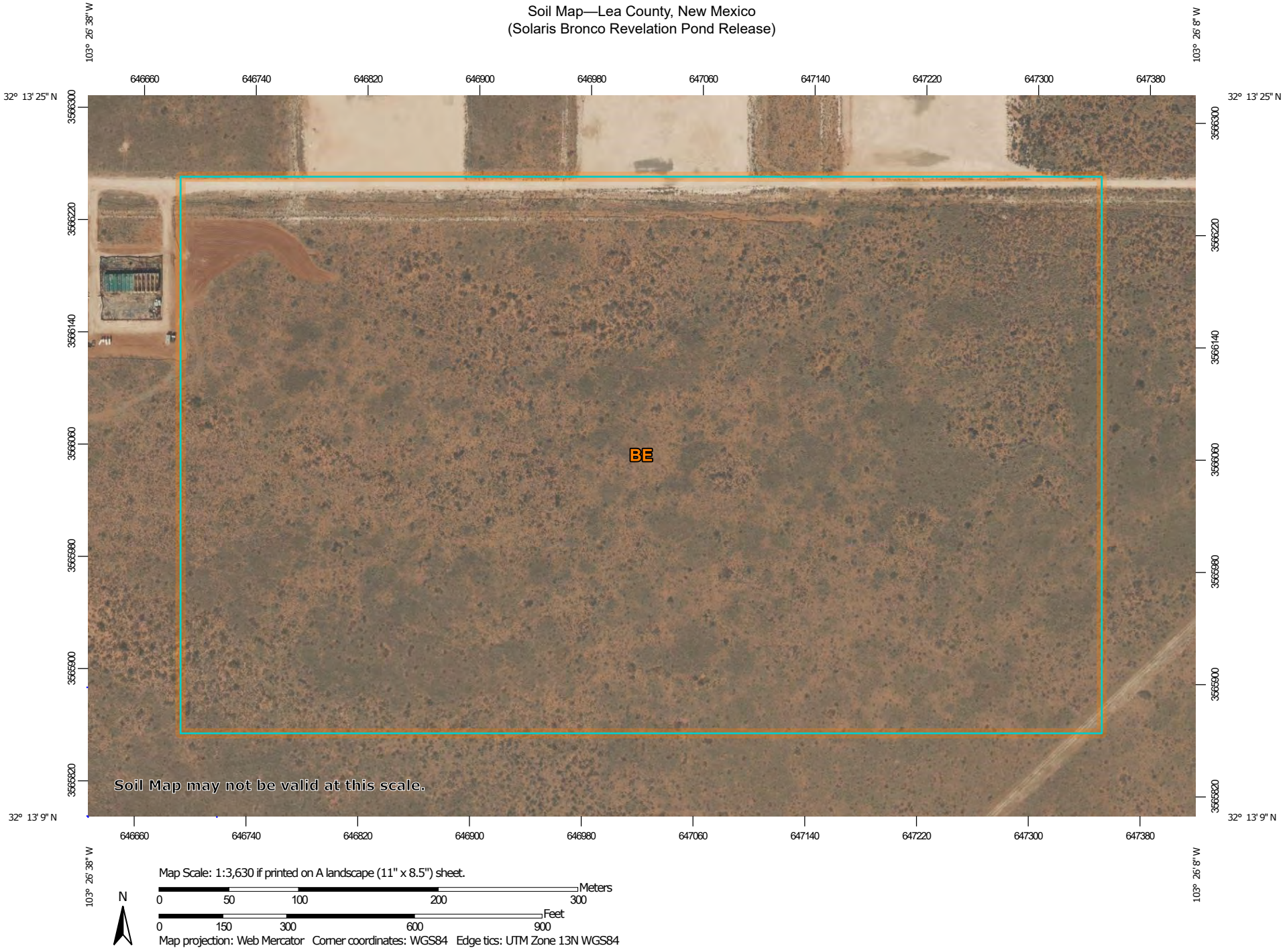
TETRA TECH

Appendix H

Soil Survey Data

Soil Map—Lea County, New Mexico
(Solaris Bronco Revelation Pond Release)



Map Scale: 1:3,630 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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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.

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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%**

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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.

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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

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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

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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

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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 289337

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 289337
	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