		SIT	TE INFORM	IATION			- ruge 1 0j 4
	Repo	ort Type: Cl	osure Rep	ort NAP	P211255	55381	
General Site In	nformation:						
Site:		Caballo Section	on 23 Tank Bat	tery			
Company:		EOG Resource					
	nship and Range		Sec. 23	T 25S	R 33E		
Lease Number	<u>r:</u>	Las Carretis					
County: GPS:		Lea County	32.122741°N		1	102 E	12910°W
Surface Owne)	Federal	32.122/41 N			103.34	12910 W
Mineral Owner		i ederai					
Directions:							Axe Rd for 2.80 miles, lease road for 0.30 miles
Release Data:							
Date Released	l:	6/8/2019					
Type Release:		Oil & Produced	Water				
Source of Cont Fluid Released		Heater Treater 1 bbl oil & 7 bb	Luctor				
Fluids Recover		1 bbl oil & 4 bb					
Official Comm		. 55. 6.1 6. 1.55	· water				
Name:	Todd Wells				Clair Gonz	zales	
Company:	EOG Resources				Tetra Tech	า	
Address:	5509 Champions	Dr			901 West	Wall St.	
					Ste 100		
City:	Midland Texas, 79	706			Midland, T	exas	
Phone number					(432) 687-		
Fax:					<u> </u>		
Email:	Todd Walla@ad	ogresources.com			0	zales@tetra	

Site Characterization	
Depth to Groundwater:	>55'
Karst Potential:	Low

Recommended R	emedial Action Le	evels (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

June 15, 2022

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

RE: Closure Report EOG Resources Caballo Section 23 Tank Battery Lea County, New Mexico nAPP2112555381

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Caballo Section 23 Tank Battery, Unit B, Section 23, Township 25 South, Range 33 East, Lea County, New Mexico (Site). The spill site coordinates are 32.122741°, -103.542910°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release at the Caballo Section 23 Tank Battery was caused by a pin hole in the LP heater water leg, causing a release of approximately 1 bbls of oil and 7 bbls produced water. Approximately 1 bbls of oil and 4 bbls of produced water were recovered. On June 8, 2019, the release was discovered and reported to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**.

Site Characterization

Significant Water Features

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

Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within an incorporated municipal boundaries, 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 3 mile radius of the Site. The well reported on the USGS National Water Information System reports water level measured at 204.35 ft bgs and is approximately 2.78 miles of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 150 ft bgs and measured water level of 110 ft bgs and is approximately 1.81 miles of the Site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
1.81 Miles	6/30/1925	NMOSE	150'	110'
2.78 Miles	3/25/1981	USGS	N/A	204.35'

Depth to Water Determination

On September 21, 2021, Scarborough Drilling, Inc was onsite to a drill a groundwater determination borehole to 55' below ground surface and within a ½ mile radius of the location. The borehole was left open for 72 hours and checked for the presence of groundwater. No water was detected in the borehole at 55' below surface. The borehole coordinates are 32.12283°, -103.54208°. The driller log and borehole figure is shown in **Appendix B**.

Regulatory

A risk-based evaluation was performed for the site following the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL beyond the top 4.0' of soil, for TPH is 1,000 mg/kg (GRO + DRO) and 2,500 mg/kg (GRO + DRO). Additionally, based on the site characterization, the proposed RRAL beyond the top 4.0' of soil, for chlorides is 10,000 mg/kg.

Tetra Tech 2019 Site Assessment and Remediation Activities

2019 Assessment Activities

Tetra Tech conducted site assessment activities on June 24, 2019, a total of eight (8) auger holes (AH-1 through AH-8) were installed to total depths ranging from 1.0 ft bgs to 4.5 ft bgs to attempt to assess the impacted the area. The impact and sample locations are shown on **Figure 3.**

The samples were submitted to Xenco Laboratory 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 C**.

Based on laboratory data from the June 24, 2019 sampling event, all auger holes (AH-1 through AH-8) indicated chloride concentrations above RRALs, with concentrations ranging from 776 mg/kg to 6,190 mg/kg, at depths ranging from surface to 3.5 ft bgs. Auger holes (AH-4 through AH-8) indicated TPH concentrations above RRALs, with concentrations ranging from 155 mg/kg to 4,350 mg/kg, at depths ranging from surface to 1.5 ft bgs. However, auger holes (AH-4 through AH-8) were vertically delineated for TPH, and the auger holes (AH-2, AH-5, AH-7, and AH-8) were not vertically delineated for chlorides.

2019 Remediation Activities

Tetra Tech conducted remediation activities from October 11, 2019 to November 5, 2019. The areas of impact within the pasture area (AH-1 through AH-4), were remediated to a depth of 4.5 ft bgs. The areas of impact on the pad (AH-5 through AH-8), were remediated to a depth of 1.5 ft bgs. The remediation areas and depths are shown on **Figure 4.**

Following remediation activites, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the area remediation. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of full depth of sidewalls and the entire floor of the excavation. A total of thirty-three (33) bottom holes (BH-1 through BH-33) were collected and a total of seventeen (17) sidewalls (NSW-1 through NSW-6, SSW-1 through SSW-6, ESW-1 through ESW-3, and WSW-1 through WSW-2) were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to the Xenco Laboratory in Midland, Texas and Cardinal Laboratory in Hobbs, News Mexico 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 C**.

Regarding all final samples collected from the remediation of the pasture area and the pad, analytical results indicated benzene or BTEX concentrations were below the laboratory detection limits. However, due to safety concerns, equipment, and access issues, confirmation samples within the pasture and pad remediation indicated exceedances that were not remediated further in 2019. Regarding the areas of remediation of the impact within the pasture, the sidewall (WSW-1) indicated TPH concentrations above the RRALs, with a concentration of 382 mg/kg. Additionally, the area of remediation of the impact in the pasture, sidewalls (SSW-2 and SSW-3) indicated chloride concentrations above the RRALs, with concentrations of 1,300 mg/kg and 896 mg/kg, respectively. Regarding the areas of remediation of the impact within the pad, bottom holes (BH-24 through BH-33) and sidewalls (NSW-6, SSW-6, WSW-2, and ESW-3) indicated TPH above the RRALs, with concentrations ranging from 137 mg/kg to 5,540 mg/kg. The bottom holes (BH-24, BH-26 through BH-28, and BH-30 through BH-33) and sidewalls (NSW-6, SSW-6, WSW-2, and ESW-3) indicated chloride concentrations above the RRALs, with concentrations ranging from 768 mg/kg to 10,000 mg/kg.

Approximately 1,305 cubic yards of impacted soil was removed and properly disposed of during the 2019 remediation activities, and the area was backfilled with clean to surface grade material.

Tetra Tech 2021-2022 Site Assessment and Remediation Activities

On August 23, 2021, a work plan was submitted to the OCD stating that EOG would install a groundwater determination bore to determine RRALs, delineate the remaining impact, and remediate any remaining impact to the maximum extent practical. The work plan was approved by the OCD on September 22, 2021.

2021-2022 Assessment Activities

Tetra Tech conducted site assessment activities from June 3, 2021, through February 21, 2022. On June 3, 2021 through June 4, 2021, a total of seven (7) auger holes (AH-1 through AH-7) and six (6) horizontals (H-1 through H-6) were installed to total depths of 4.5 ft bgs and 0.5 ft bgs, respectively, to attempt to assess the impacted area of bottom holes (BH-24 through BH-33) and sidewalls (NSW-6, SSW-6, WSW-2, and ESW-3) to provide current data. On October 7, 2021, a total of seven (7) trenches (T-1 through T-7) were installed to further vertically delineate the impact. On February 21, 2022, a total of four (4) horizontal delineation samples (HD-1 through HD-4) were installed to further horizontally delineate the impact. The impact and sample locations are shown on **Figure 5**.

The samples were submitted to Xenco Laboratory in Midland, Texas and Cardinal Laboratory in Hobbs, News Mexico 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 3** and the analytical laboratory reports are included in **Appendix C**.

Based on laboratory data from the June 2021 sampling event, auger holes (AH-1 through AH-7) indicated benzene and BTEX concentrations below laboratory detection limits. Auger holes (AH-2 through AH-7) indicated TPH concentrations above RRALs, with concentrations ranging from 124 mg/kg to 6,180 mg/kg, at depths ranging from surface to 2.5 ft bgs. Auger holes (AH-2, and AH-5 through AH-7) indicated chloride concentrations above RRALs, with concentrations ranging from 705 mg/kg to 6,810 mg/kg, at depths ranging from surface to 4.5 ft bgs. Additionally, horizontals (H-1, H-3, and H-5) indicated TPH concentrations above RRALs with concentrations ranging from 293 mg/kg to 1,690 mg/kg. However, auger holes (AH-4 and AH-7) and horizontals (H-1, H-3, and H-5) were not vertically delineated for TPH, and the auger holes (AH-5 and AH-7) were not vertically delineated for chlorides.

Based on the laboratory data from the October 7, 2021 sampling event, trenches (T-1 through T-7) indicated benzene and BTEX concentrations below RRALs. Trenches (T-3 through T-6) indicated TPH concentrations above RRALs, with concentrations ranging from 142 mg/kg to 3,630 mg/kg, at depths ranging from surface to 6.0 ft bgs. Trenches (T-1 through T-4) indicated chloride concentrations above RRALs, with concentrations ranging from 909 mg/kg to 8,790 mg/kg, at depths ranging from surface to 4.0 ft bgs. However, trench (T-2) was not vertically delineated for chlorides.

Based on the laboratory data from the February 21, 2022 sampling event, horizontal delineation samples (HD-1 through HD-4) did not indicate TPH concentrations above laboratory detection limits. However, horizontal delineation samples (HD-1 through HD-4) indicated chloride concentrations above RRALs, with concentrations ranging from 1,200 mg/kg to 6,000 mg/kg, at depths of surface. Additionally, horizontal delineation samples (HD-1, HD-2, and HD-4) indicated BTEX concentrations above RRALs, with concentrations ranging from 1,271 mg/kg to 3,133.6 mg/kg, at depths of surface.

2022 Remediation Activities

Tetra Tech conducted remediation activities from March 21, 2022 to April 8, 2022. Based on the data from the 2019 confirmation samples and the current assessment data from 2021 and 2022, EOG removed lines and equipment to make the area safely accessible. Following the removal of lines and equipment, the areas of remaining impact, were remediated to depths ranging from 1.5 ft bgs to 9.0 ft bgs. Additionally, during remediation activities, 5-point composite augers were installed in the areas of previous samples (WSW-1, SSW-2, and SSW-3) to depths of 4.5 ft bgs to determine remaining impact so that concentrations above RRALs could be addressed. The remediation areas, depths, and sample locations are shown on **Figures 6A and 6B.**

During remediation activities, 5-point composite augers that were installed in the areas of previous samples (WSW-1, SSW-2, and SSW-3) and field screened to determine remaining impact. The composite sample of the area of previous sample (WSW-1) indicated chloride concentrations above RRALs during field screening. This area was remediated further and 5-point composite confirmation samples every 200 square feet to ensure proper removal of impact. The 5-point composite augers installed in the areas of previous samples (SSW-2 and SSW-3) indicated field screen concentrations below RRALs, these samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The composite samples (SSW-2 and SSW-3) indicated benzene, BTEX, TPH, and chloride concentrations below RRALs, at all depths. The remediation area, depth, and sample locations are shown on **Figure 6B**. The laboratory data is summarized in **Table 4**.

Following remediation activites, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the area remediation. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of full depth of sidewalls and the entire floor of the excavation are collected. The confirmation sample notification was sent to the NMOCD via email, on March 22, 2022, at 1:30 PM, a copy of the notice is shown in **Appendix D**. A total of thirty-nine (39) bottom holes (BH-1 through BH-38, and BH-38A) were collected and a total of seventy (70) sidewalls (SW-1 through SW-70) were collected to confirm full removal of impacted soil. Bottom hole (BH-38A) was mistakenly named the same as previously collected bottom hole sample (BH-38). 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 hole (BH-38) was collected on April 4, 2022, and the sample results are shown on lab report (Cardinal H221333), shown in **Appendix C**. The bottom hole (BH-38A) was collected on April 6, 2022, and the sample results are shown in **Appendix C**. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico 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 4** and the analytical laboratory reports are included in **Appendix C**.

Regarding all final samples collected from the remediation, analytical results indicated benzene, BTEX, TPH, and chloride concentrations were below the RRALs.

Approximately 938 cubic yards of impacted soil was removed and properly disposed of during the 2022 remediation activities, and the area was backfilled with clean to surface grade material.

Conclusions

Based on the C-141 (nAPP2112555381) and information provided by EOG, Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the OCD *Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, according to the groundwater data found during research activites, the RRALs of 10,000 mg/kg for chlorides, and 2,500 mg/kg for TPH for beyond the top 4.0' of soil were followed. Based on Tetra Tech assessment activites, laboratory results indicated TPH and chloride concentrations in auger holes (AH-1 through AH-7) from the 2021 assessment activities of previous bottom holes (BH-24 through BH-33) and sidewalls (NSW-6, SSW-6, WSW-2, and ESW-3) exceeded the RRALs and required further remediation.

Following remediation of the areas of impact, Tetra Tech conducted confirmation soil sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples to ensure the impacted soil was fully removed. Approximately 2,243 total cubic yards of impacted soil was removed and properly disposed of from the 2019 and 2022 remediation activites, and the area was backfilled with clean to surface grade material. The analytical results indicated all confirmation samples reported below the RRALs for all constituents. Based on this information, it is recommended that this Site requires no further action. The final C-141 is included in **Appendix A**.

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

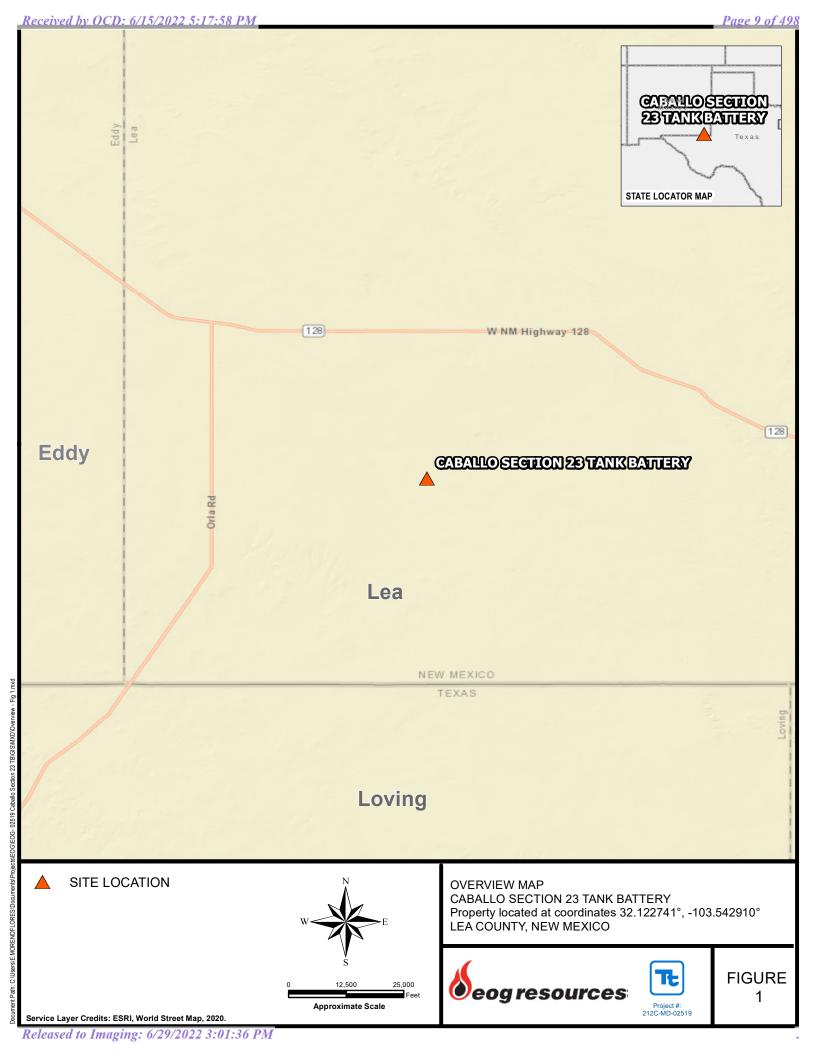
Respectfully submitted,

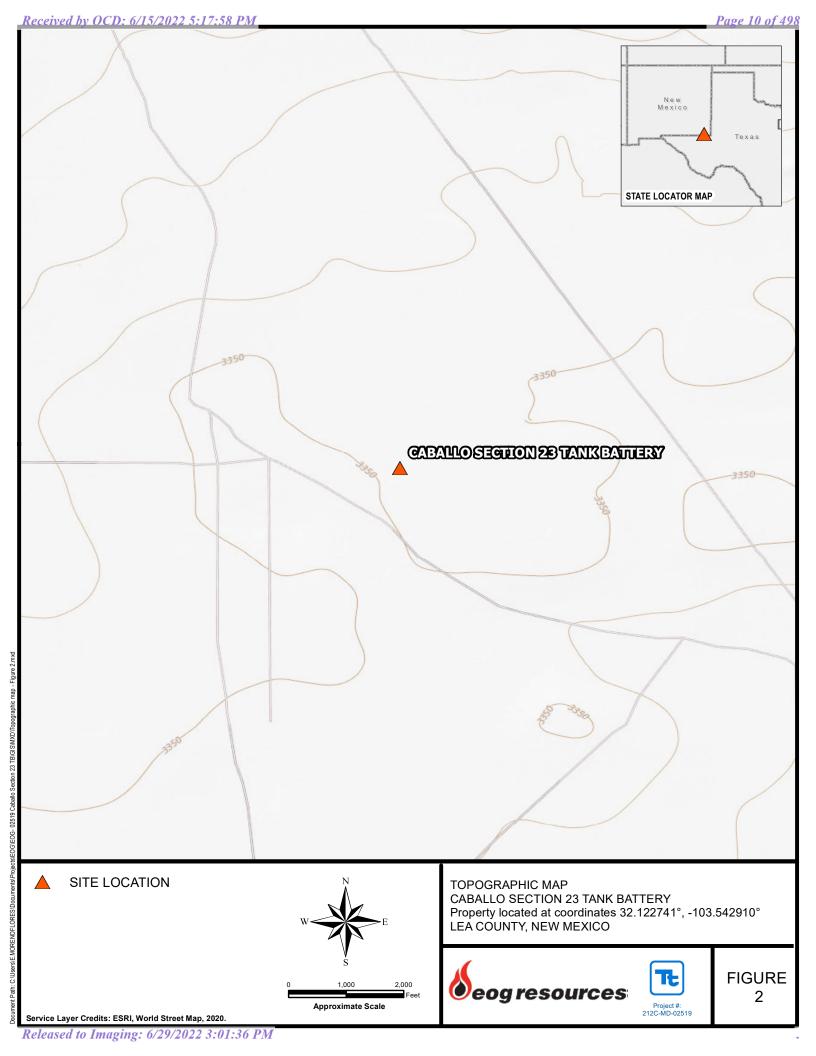
TETRA TECH

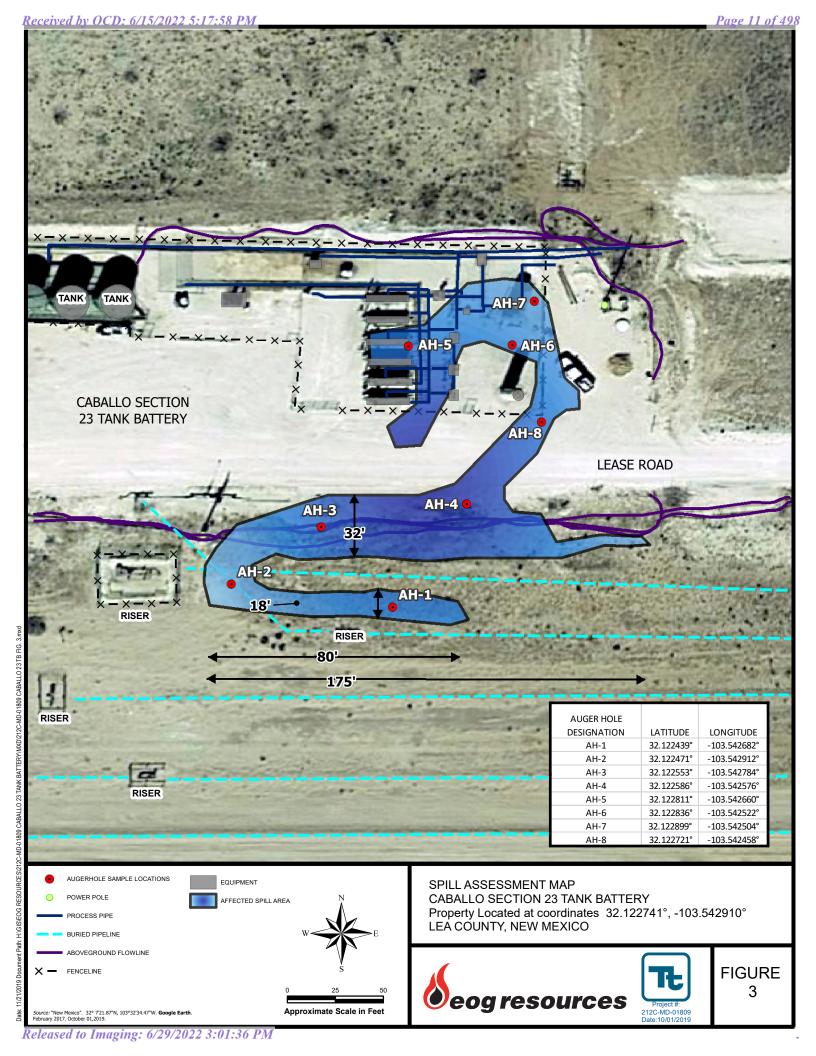
Brittany Long, Project Manager Clair Gonzales, P.G. Senior Project Manager

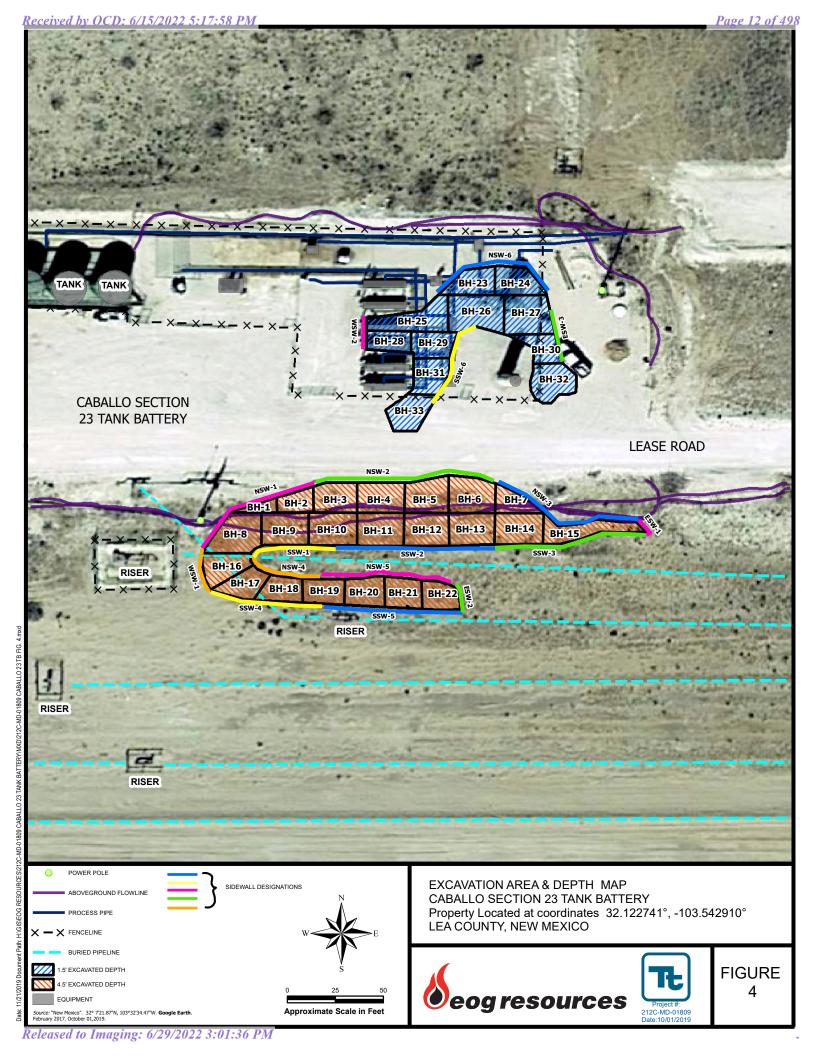


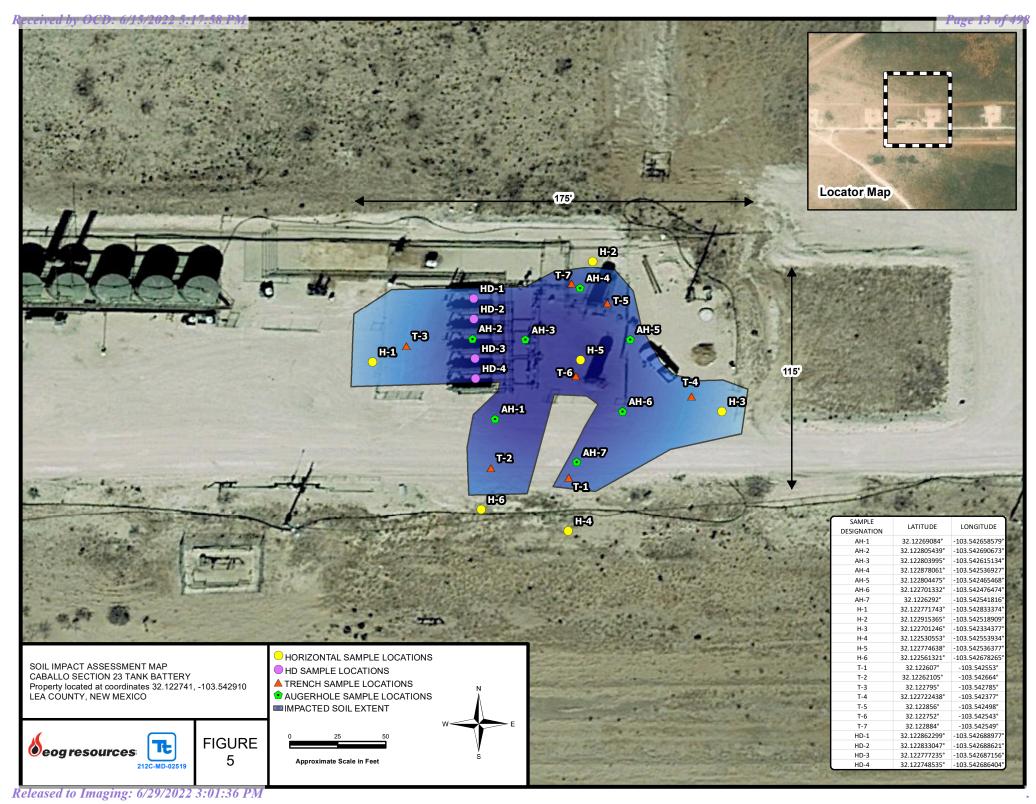
Figures

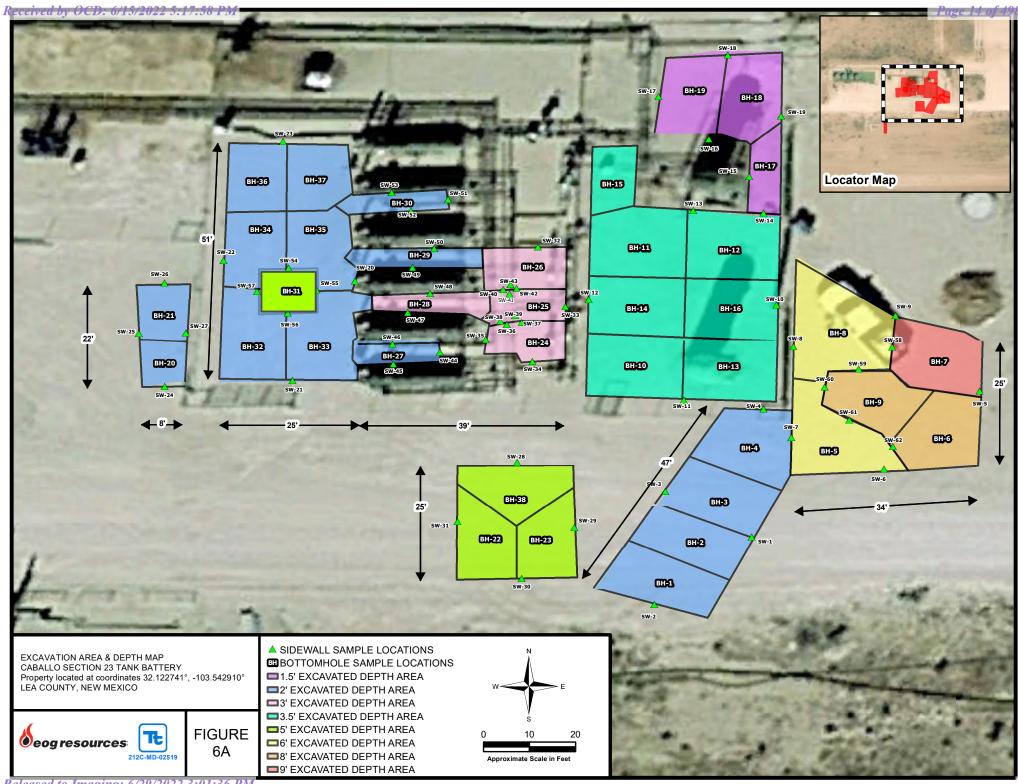


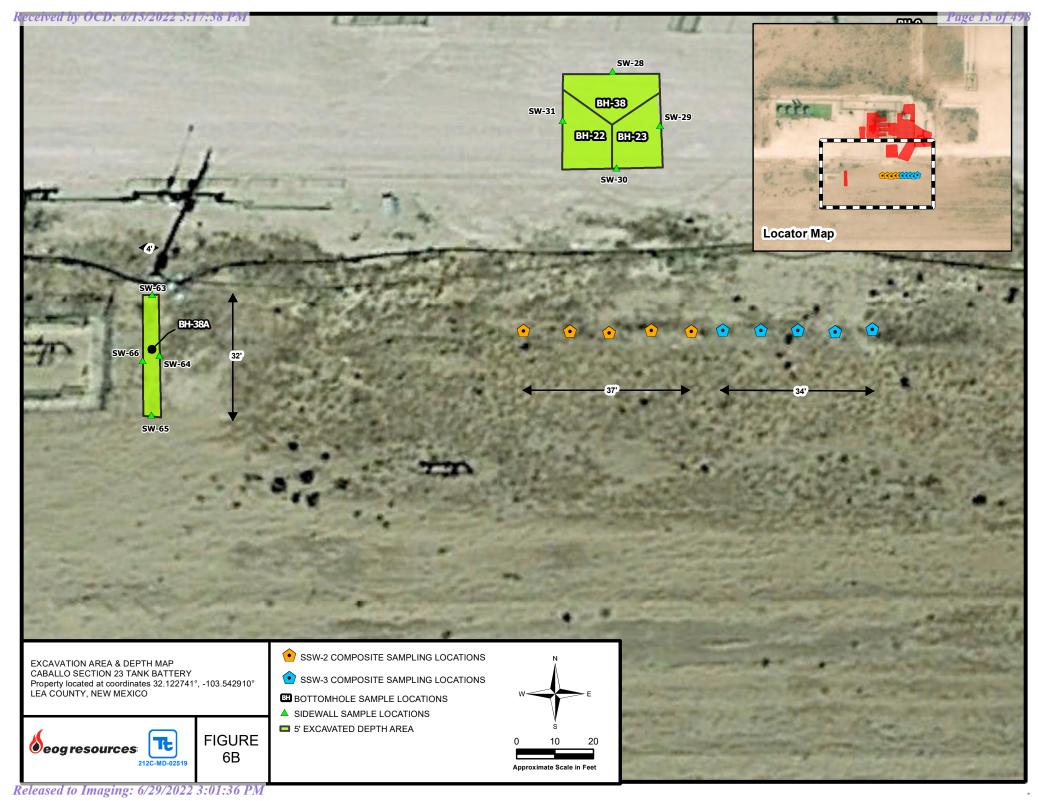














Tables

Table 1 EOG Caballo Section 23 Tank Battery Lea County, New Mexico

Onwell ID	Sample	Sample	Soil S	Status		TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	ORO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
RRALs (Top 4.0' of Soil)								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)					•	000 g/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
AH-1	6/24/2019	0-1		Х	9.00	9.9	<8.12	18.9	<0.00382	<0.000452	<0.000560	<0.000342	<0.00342	3,820
	"	1-1.5		Х	8.65	10.3	<8.10	19.0	<0.000383	<0.000454	<0.000563	<0.000343	<0.000343	4,190
	"	2-2.5		Х	-	-	-	-	-	-	-	-	-	1,800
	"	3-3.5		Х	-	-	-	-	-	-	-	-	-	2,210
	"	4-4.5		Х	-	-	-	-	-	-	-	-	-	3,500
AH-2	6/24/2019	0-1		Х	10.1	10.0	<8.11	20.1	<0.000386	<0.000457	<0.000566	<0.000345	<0.000345	5,970
	"	1-1.5		Х	8.91	9.19	<8.10	18.1	<0.000381	<0.000451	<0.000559	<0.000341	<0.000341	4,060
AH-3	6/24/2019	0-1		Х	10.4	13.1	<8.13	23.5	<0.000381	<0.000451	<0.000559	<0.000341	<0.000341	207
	"	1-1.5		Х	9.60	10.6	<8.11	20.2	<0.000378	<0.000448	<0.000555	<0.000338	<0.000338	247
	"	2-2.5		Х	-	-	-	-	-	-	-	-	-	1,570
	"	3-3.5		Х	-	-	-	-	-	-	-	-	-	2,160
	"	4-4.5		Х	-	-	-	-	-	-	-	-	-	9,330
AH-4	6/24/2019	0-1		Х	15.5	1710	170	1900	<0.000384	<0.000455	<0.000564	<0.000344	<0.000344	967
	"	1-1.5		Х	9.04	132	21.3	162	<0.000386	<0.000457	<0.000567	<0.000346	<0.000346	143
	"	2-2.5		Х	-	-	-	-	-	-	-	-	-	54.1
	"	3-3.5		Х	-	-	-	-	-	-	-	-	-	348
	"	4-4.5		Х	-	-	-	-	-	-	-	-	-	922
AH-5	6/24/2019	0-1		Х	13.1	2690	281	2980	<0.000385	<0.000456	<0.000565	<0.000344	<0.000344	6,190
	"	1-1.5	Χ		<7.98	109	46.2	155	<0.000386	<0.000457	<0.000567	<0.000346	<0.000346	2,510
	"	2-2.5	Χ		-	-	-	-	-	-	-	-	-	321
	"	3-3.5	Χ		-	-	-	-	-	-	-	-	-	4,980
AH-6	6/24/2019	0-1		Х	44.9	3990	314	4350	<0.000382	<0.000452	<0.000560	<0.000342	<0.000342	3,730
	"	1-1.5	Х		11.4	858	114	983	<0.000382	<0.000452	<0.000560	<0.000342	<0.000342	776
	"	2-2.5	Х		-	-	-	-	-	-	-	-	-	11.4

Table 1 EOG Caballo Section 23 Tank Battery Lea County, New Mexico

0	Sample	Sample	Soil	Status		TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	ORO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
RRALs								100	10				50	600
(Top 4.0' of Soil)								mg/kg	mg/kg				mg/kg	mg/kg
RRALs					1,0	000		2,500	10				50	10,000
(Beyond Top 4.0' of Soil)					mg	J/kg		mg/kg	mg/kg				mg/kg	mg/kg
AH-7	6/24/2019	0-1		Х	9.64	2460	259	2730	<0.000383	<0.000453	<0.000561	<0.000342	<0.000342	2,810
AH-8	6/24/2019	0-1		Х	11.7	1140	138	1290	<0.000382	<0.000452	<0.000560	< 0.000342	<0.000342	2,500

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) *Guidelines for Remediation of Leaks*, All screening values and results are presented in milligrams per kilogram (mg/kg)

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

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

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Remediated

Table 2 EOG Caballo Section 23 Tank Battery Lea County, New Mexico

			0.11	24-4		TDII (
Sample ID	Sample Date	Excavation Depth (ft)		Status	GRO	DRO	mg/kg) ORO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
RRALs			in-Situ	Removed	GRO	DRO	100	10					50	600
(Top 4.0' of Soil) RRALs					1.0	000	mg/kg 2,500	mg/kg 10					mg/kg 50	mg/kg 10,000
(Beyond Top 4.0' of Soil)		ı		1	mg	/kg	mg/kg	mg/kg			ı		mg/kg	mg/kg
Bottom Hole - 1	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
Bottom Hole - 2	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
Bottom Hole - 3	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,160
Bottom Hole - 4	10/14/2019	4.5	Х		<10.0	104	37.1	141	<0.050	<0.050	<0.050	<0.150	<0.300	1,060
Bottom Hole - 5	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,280
Bottom Hole - 6	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,800
Bottom Hole - 7	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752
Bottom Hole - 8	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,090
Bottom Hole - 9	10/14/2019	4.5	Х		<10.0	63.1	13.5	76.6	<0.050	<0.050	<0.050	<0.150	<0.300	1,120
Bottom Hole - 10	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
Bottom Hole - 11	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
Bottom Hole - 12	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 13	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
Bottom Hole - 14	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
Bottom Hole - 15	10/14/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
Bottom Hole - 16	10/11/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	784
Bottom Hole - 17	10/11/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	768
Bottom Hole - 18	10/11/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,360
Bottom Hole - 19	10/11/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736
Bottom Hole - 20	10/11/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752
Bottom Hole - 21	10/11/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,100
Bottom Hole - 22	10/11/2019	4.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
Bottom Hole - 23	11/5/2019	1.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Bottom Hole - 24	11/5/2019	1.5	Х		<10.0	109	28.1	137	<0.050	<0.050	<0.050	<0.150	<0.300	768
Bottom Hole - 25	11/5/2019	1.5	Х		<10.0	779	415	1,194	<0.050	<0.050	<0.050	<0.150	<0.300	592
Bottom Hole - 26	11/5/2019	1.5	Х		<10.0	2,590	1,080	3,670	<0.050	<0.050	<0.050	<0.150	<0.300	2,800
Bottom Hole - 27	11/5/2019	1.5	Χ		<10.0	214	86.6	301	<0.050	<0.050	<0.050	<0.150	<0.300	848

Table 2 EOG Caballo Section 23 Tank Battery Lea County, New Mexico

_		Excavation	Soil St	tatus		TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Sample Date	Depth (ft)	In-Situ F	Removed	GRO	DRO	ORO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
RRALs (Top 4.0' of Soil)							100 mg/kg	10 mg/kg					50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)						000	2,500	10					50	10,000
Bottom Hole - 28	11/5/2019	1.5	Х		<10.0	3,870	mg/kg 1,470	mg/kg 5,340	<0.050	<0.050	<0.050	<0.150	mg/kg <0.300	mg/kg 5,520
Bottom Hole - 29	11/5/2019	1.5	Х		<10.0	534	318	852	<0.050	<0.050	<0.050	<0.150	<0.300	432
Bottom Hole - 30	11/5/2019	1.5	Х		<10.0	948	343	1,291	<0.050	<0.050	<0.050	<0.150	<0.300	3,040
Bottom Hole - 31	11/5/2019	1.5	Х		<10.0	2,310	996	3,306	<0.050	<0.050	<0.050	<0.150	<0.300	4,240
Bottom Hole - 32	11/5/2019	1.5	Х		<10.0	3,150	1,300	4,450	<0.050	<0.050	<0.050	<0.150	<0.300	1,620
Bottom Hole - 33	11/5/2019	1.5	Х		<10.0	1,820	666	2,486	<0.050	<0.050	<0.050	<0.150	<0.300	4,400
NSW-1	10/14/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
NSW-2	10/14/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
NSW-3	10/14/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
NSW-4	10/11/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
NSW-5	10/11/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
NSW-6	11/5/2019	-	Х		<10.0	113	51.1	164	<0.050	<0.050	<0.050	<0.150	<0.300	10,000
SSW-1	10/11/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
SSW-2	10/11/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,300
SSW-3	10/11/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	896
SSW-4	10/11/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SSW-5	10/11/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SSW-6	11/5/2019	-	Х		<10.0	321	145	466	<0.050	<0.050	<0.050	<0.150	<0.300	4,400
WSW-1	10/11/2019	-	Х		<10.0	273	109	382	<0.050	<0.050	<0.050	<0.150	<0.300	176
WSW-2	11/5/2019	-	Х		<10.0	4,140	1,400	5,540	<0.050	<0.050	<0.050	<0.150	<0.300	3,680
ESW-1	10/11/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
ESW-2	10/11/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
ESW-3	11/5/2019	-	Х		<10.0	2,340	896	3,236	<0.050	<0.050	<0.050	<0.150	<0.300	9,000

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

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

Bolded cells represent a detected concentration above the respective screening value. < = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Remediated

Table 3
EOG Resources
Caballo Section 23 TB
Lea County, New Mexico

Sample ID	Sample	Sample	Soil	Status		TPH (n	ng/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride
·	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	(0 0)	, 5 5,	(mg/kg)	, , ,	, ° 5 3/	(mg/kg)
RRALs (Top 4.0' of Soil)								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)					,	000 g/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
	6/3/2021	0-1	Х	-	<49.8	96.8	<49.8	96.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	404
AH-1	6/3/2021	1.1.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	295
741 1	6/3/2021	2-2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	130
	6/3/2021	3-3.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	50.0
	6/4/2021	0-1	Х	-	<49.9	131	<49.9	131	<0.00199	< 0.00199	<0.00199	<0.00398	<0.00398	2,110
AH-2	6/4/2021	1-1.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	< 0.00399	<0.00399	1,410
АП-2	6/4/2021	2-2.5	Х	-	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	< 0.00399	<0.00399	574
	6/4/2021	3-3.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	< 0.00396	390
	6/4/2021	0-1	Х	_	<49.7	240	<49.7	240	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	83.1
	6/4/2021	1-1.5	X	-	<49.8	159	<49.8	159	<0.00199	< 0.00199	<0.00199	<0.00398	<0.00398	85.5
AH-3	6/4/2021	2-2.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	102
	6/4/2021	3-3.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	< 0.00397	<0.00397	115
	6/4/2021	0-1	Х	_	<49.9	530	<49.9	530	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	291
AH-4	6/4/2021	1-1.5	X	_	<50.0	731	<50.0	731	<0.00202	<0.00202	<0.00201	<0.00402	<0.00402	376
	6/4/2021	2-2.5	X	-	<50.0	113	<50.0	113	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	143
	10/7/2021	0-1	Х	-	58.1	<49.8	<49.8	58.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	215
	10/7/2021	1	X	_	82.1	<49.8	<49.8	82.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	279
Trench-7	10/7/2021	2	X	_	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00400	<0.00400	44.4
	10/7/2021	3	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	0.00609	<0.00399	0.00609	63.6
	10/7/2021	4	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	294
	6/4/2021	0-1	Х	l <u>-</u>	<49.8	5,280	898	6,180	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,810
	6/4/2021	1-1.5	X	_	<49.8	1,310	187	1,500	<0.00200	<0.00199	<0.00199	<0.00398	<0.00398	3,650
AH-5	6/4/2021	2-2.5	X	_	<50.0	59.8	105	165	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,540
	6/4/2021	3-3.5	X	-	<49.8	<49.8	73.1	73.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,490
	6/4/2021	4-4.5'	Х	-	<49.9	<49.9	57.4	57.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,860
	10/7/2021	0-1	Х	-	69.5	<49.8	<49.8	69.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	131
	10/7/2021	1	X	_	278	<50.0	<50.0	278	<0.00202	<0.00202	<0.00202	<0.00399	<0.00399	24.1
	10/7/2021	2	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	253
	10/7/2021	3	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	90.3
	10/7/2021	4	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	< 0.00396	<0.00396	191
Trench-5	10/7/2021	5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	958
	10/7/2021	6	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	470
	10/7/2021	7	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3410
	10/7/2021	8	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2600
	10/7/2021	9	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3360
	10/7/2021	10	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3850

Table 3
EOG Resources
Caballo Section 23 TB
Lea County, New Mexico

	Sample	Sample	Soil	Status		TPH (n	ng/kg)		_ , , , ,		Ethlybenzene	V		Chloride
Sample ID	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	(mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	(mg/kg)
RRALs (Top 4.0' of Soil)						-	-	100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)						000 g/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
	6/4/2021	0-1	X	-	<49.8	205	<49.8	205	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	705
AH-6	6/4/2021	1-1.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	576
	6/4/2021	2-2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	492
	6/4/2021	3-3.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	489
AH-7	6/4/2021	0-1	Х	-	<50.0	243	63.1	306	<0.00198	<0.00198	<0.00198	<0.00396	< 0.00396	2,350
АП-1	6/4/2021	1-1.5	Х	-	<49.7	124	<49.7	124	<0.00198	<0.00198	<0.00198	<0.00397	< 0.00397	973
	10/7/2021	0-1	Х	-	53.5	<49.9	<49.9	53.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	909
	10/7/2021	1	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	238
Trench-1	10/7/2021	2	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	< 0.00403	<0.00403	97.2
rrench-i	10/7/2021	3	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	< 0.00403	< 0.00403	243
	10/7/2021	4	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	< 0.00396	561
	10/7/2021	5	Χ	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	460
H-1	6/3/2021	0-0.5	Х	-	<49.8	1,690	<49.8	1,690	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	119
	10/7/2021	0-1	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	934
	10/7/2021	1	Х	-	142	<49.9	<49.9	142	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	47.3
	10/7/2021	2	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	< 0.00396	38.9
	10/7/2021	3	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	68.1
Trench-3	10/7/2021	4	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	934
	10/7/2021	5	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	787
	10/7/2021	6	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1040
	10/7/2021	7	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	406
	10/7/2021	8	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	397
H-2	6/3/2021	0-0.5	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	30.3
H-3	6/3/2021	0-0.5	Χ	-	<50.0	293	<50.0	293	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	201
	10/7/2021	0-1	Χ	-	62.8	<49.9	<49.9	62.8	<0.00200	<0.00200	<0.00200	0.00726	0.00726	109
	10/7/2021	1	Х	-	584	<49.8	85.2	669	<0.00199	<0.00199	<0.00199	0.0316	0.0316	1,130
	10/7/2021	2	X	-	407	<49.9	58.2	465	<0.00199	<0.00199	0.00772	<0.00398	0.0103	1,090
	10/7/2021	3	X	-	762	96.2	106	964	<0.00199	0.00784	0.00499	0.205	0.218	46.3
	10/7/2021	4	X	-	688	124	101	913	<0.00200	0.0711	0.142	0.710	0.923	44.5
Tues de 4	10/7/2021	5	X	-	499	65.2	70.6	635	<0.00200	<0.00200	0.00458	0.399	0.403	733
Trench-4	10/7/2021	6	X	-	2,420 222	930 <49.8	280 <49.8	3,630	<0.00198	0.247 0.0340	0.290	0.733	1.27	879 23.3
	10/7/2021	/	X	-	136	<49.8 <49.9	<49.8 <49.9	222 136	<0.00198 <0.00198	0.0340	0.0179 <0.00198	0.381 0.0356	0.433 0.0380	435
	10/7/2021	8	X	-	<49.8	<49.9 <49.8	<49.9 <49.8	<49.8	<0.00198	0.00239	<0.00198	<0.0356	<0.0380	435
	10/7/2021	10	X		<49.8 <49.9	<49.8 <49.9	<49.8 <49.9	<49.8 <49.9	<0.00198	<0.00338	<0.00198	<0.00397	<0.00397	561
	10/7/2021	11	X	-	<49.9 <50.0	<49.9 <50.0	<49.9 <50.0	<49.9 <50.0	<0.00198	<0.00198	<0.00198	<0.00398	<0.00398	460
	10/7/2021	12	X	 	<50.0	<50.0 <50.0	<50.0 <50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	460
	10/1/2021	14	^_		٠٥٥.٥	٠٥٥.٥	~50.0	-50.0	50.00 E	\$ B 00.00	~U.UU.UU	~0.00030	~U.UUJJU	700

Table 3 **EOG Resources** Caballo Section 23 TB Lea County, New Mexico

Sample ID	Sample	Sample	Soil	Status		TPH (n	ng/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xvlene (mg/kg)	Total BTEX (mg/kg)	Chloride
	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	3 3,	3 3,	(mg/kg)	, , , , ,	(3 3)	(mg/kg)
RRALs (Top 4.0' of Soil)								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
RRALs (Beyond Top 4.0' of Soil)					,	000 g/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg
H-4	6/3/2021	0-0.5	Χ	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.3
H-5	6/3/2021	0-0.5	Х	-	<49.9	622	<49.9	622	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.2
	10/7/2021	0-1	Х	-	1,090	<49.9	308	1,400	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	232
	10/7/2021	1	Х	-	73.7	<50.0	<50.0	73.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	38.6
	10/7/2021	2	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	< 0.00399	< 0.00399	53.9
	10/7/2021	3	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	< 0.00399	< 0.00399	65.3
	10/7/2021	4	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	< 0.00403	< 0.00403	76.9
Transh C	10/7/2021	5	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	< 0.00400	< 0.00400	58.6
Trench-6	10/7/2021	6	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	< 0.00396	< 0.00396	27.0
	10/7/2021	7	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	< 0.00396	< 0.00396	838
	10/7/2021	8	Х	-	144	<49.9	<49.9	144	<0.00199	< 0.00199	< 0.00199	<0.00398	<0.00398	414
	10/7/2021	9	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00202	< 0.00202	<0.00202	<0.00404	<0.00404	169
	10/7/2021	10	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	< 0.00401	< 0.00401	1830
	10/7/2021	11	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1080
H-6	6/3/2021	0-0.5	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	116
	10/7/2021	0-1	Х	_	58.3	<50.0	<50.0	58.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,960
	10/7/2021	1	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,790
Trench-2	10/7/2021	2	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00393	<0.00399	5,070
TTCTTCTT-2	10/7/2021	3	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00401	5,000
	10/7/2021	4	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,480
HD-1	2/21/2022	0-0.5	Х	-	<0.050	<0.050	<0.050	<0.150	<0.300	10.6	2,210	913	3,134	4,760
HD-2	2/21/2022	0-0.5	Х	-	<0.050	<0.050	<0.050	<0.150	<0.300	32.9	2,100	707	2,840	6,000
HD-3	2/21/2022	0-0.5	Х	-	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,560
HD-4	2/21/2022	0-0.5	Х	-	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	836	435	1,271	1,200

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

Remediated

Table 4
EOG Resources
Caballo Section 23
Lea County, New Mexico

RRALs	<0.150 <0.150 <0.150 <0.150 <0.150	(mg/kg) 50 mg/kg 50 mg/kg <0.300 <0.300	(mg/kg) 600 mg/kg 10,000 mg/kg
Cop 4.0' of Soil)	<0.150 <0.150 <0.150	mg/kg 50 mg/kg <0.300	mg/kg 10,000 mg/kg
RRALS 1,000 mg/kg mg/k	<0.150 <0.150 <0.150	50 mg/kg <0.300	10,000 mg/kg
Remediation Confirmation Samples BH-1 3/24/2022 2.0 X - <10.0 <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050	<0.150 <0.150 <0.150	<0.300	
BH-1 3/24/2022 2.0 X - <10.0	<0.150 <0.150 <0.150		128
BH-2 3/24/2022 2.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 BH-3 3/24/2022 2.0 X - <10.0 <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 BH-4 3/24/2022 2.0 X - <10.0 <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 BH-5 3/25/2022 6.0 X - 20.4 690 121 831.4 <0.050 <0.050 <0.050 <0.050 BH-6 3/25/2022 6.0 X - 332 1,820 289 2,441 <0.050 <0.050 <0.050 <0.050 BH-6 3/25/2022 6.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 BH-7 4/5/2022 8.0 X - <1,020 4,870 834 6,724 <0.050 0.971 4.37 4/14/2022 9.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 BH-8 3/25/2022 6.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 SH-8 3/25/2022 6.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 <0.050 SOSO SOSO <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050	<0.150 <0.150 <0.150		128
BH-3 3/24/2022 2.0 X - <10.0	<0.150 <0.150	< 0.300	
BH-4 3/24/2022 2.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 BH-5 3/25/2022 6.0 X - 20.4 690 121 831.4 <0.050 <0.050 <0.050 <0.050 BH-6 3/25/2022 6.0 X - 332 1,820 289 2,441 <0.050 0.116 1.32 4/5/2022 8.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 <0.050 BH-7 4/5/2022 8.0 X - 1,020 4,870 834 6,724 <0.050 1.08 4.94 4/5/2022 8.0 X - 375 1,700 257 2,332 <0.050 0.971 4.37 4/14/2022 9.0 X - <10.0 <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 BH-8 3/25/2022 6.0 X - <10.0 <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 <0.050	<0.150		144
BH-6 3/25/2022 6.0 X - 20.4 690 121 831.4 <0.050 <0.050 <0.050 <0.050 BH-6 3/25/2022 6.0 X - 332 1,820 289 2,441 <0.050 0.116 1.32 4/5/2022 8.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <		<0.300	128
BH-6 3/25/2022 6.0 X -		<0.300	112
BH-6 4/5/2022 8.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.05	<0.150	<0.300	1,390
BH-7 3/25/2022 6.0 X - 1,020 4,870 834 6,724 <0.050 1.08 4.94	7.73	9.17	1,310
BH-7 4/5/2022 8.0 X - 375 1,700 257 2,332 <0.050	<0.150	<0.300	1,150
4/14/2022 9.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 BH-8 3/25/2022 6.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 3/25/2022 6.0 X - 314 2.080 410 2.804 <0.050 <0.050 <0.050	24.7 20.3	30.7 25.6	1,730 304
3/25/2022 6.0 X 344 2.080 440 2.004 <0.050 <0.050 0.644	<0.150	<0.300	48.0
3/25/2022 6.0 X - 314 2.080 410 2.804 <0.050 <0.050 0.644	<0.150	<0.300	1,310
BH-9	4.02	4.66	1,380
4/5/2022 8.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	32.0
BH-10 3/25/2022 3.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	80.0
BH-11 3/25/2022 3.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	384
BH-12 3/25/2022 3.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	128
BH-13 3/25/2022 3.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	160
BH-14 3/25/2022 3.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	48.0
BH-15 3/25/2022 3.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	112
BH-16 3/25/2022 3.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	112
BH-17 3/25/2022 1.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	400
BH-18 3/25/2022 1.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	416
BH-19 3/25/2022 1.5 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	48.0
BH-20 3/25/2022 2.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	80.0
BH-21 3/25/2022 2.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	48.0
BH-22 3/25/2022 5.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	304
BH-23 3/25/2022 5.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	96.0
BH-24 4/4/2022 2.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	656
4/8/2022 3.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050	<0.150	<0.300	96.0
BH-25	<0.150	<0.300 <0.300	656 48.0
MAN 202 20 V	<0.150		
BH-26 4/4/2022 2.0 X - <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 <0.050	<0.150 <0.150	<0.300	640

Table 4
EOG Resources
Caballo Section 23
Lea County, New Mexico

	Sample	Excavtion	Soil	Status		TPH (n	na/ka)				Ethlybenzene		Total BTEX	Chloride
Sample ID	Date	Depth (ft)	In-Situ		GRO	DRO	MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	(mg/kg)	Xylene (mg/kg)	(mg/kg)	(mg/kg)
RRALs	-1							100	10				50	600
(Top 4.0' of Soil) RRALs					1	000		mg/kg 2,500	mg/kg 10				mg/kg 50	mg/kg 10.000
(Beyond Top 4.0' of Soil)					,	g/kg		mg/kg	mg/kg				mg/kg	mg/kg
BH-27	4/4/2022	2.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	4/8/2022	3.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-28	4/4/2022	2.0 3.0	X	-	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	688 64.0
BH-29			X	l				<10.0						240
	4/4/2022	2.0		-	<10.0	<10.0	<10.0		<0.050	<0.050	<0.050	<0.150	<0.300	
BH-30	4/4/2022	2.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
BH-31	4/4/2022	5.0	Х	-	<10.0	62.2	28.0	90.2	<0.050	<0.050	<0.050	<0.150	<0.300	960
BH-32	4/4/2022	2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
BH-33	4/4/2022	2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
BH-34	4/4/2022	2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
BH-35	4/4/2022	2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
BH-36	4/4/2022	2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
BH-37	4/4/2022	2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
BH-38	4/4/2022	5.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
BH-38A	4/6/2022	5.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-1	3/24/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	3/24/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-3	3/24/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-4	3/24/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-5	3/25/2022	0-6.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-6	3/25/2022	0-6.0	Χ	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-7	3/25/2022	0-6.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-8	3/25/2022	0-6.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-9	3/25/2022	0-6.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,560
	4/5/2022	0.8-0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-10	3/25/2022	0-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-11	3/25/2022	0-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-12	3/25/2022	0-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-13	3/25/2022	0-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-14	3/25/2022	0-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-15	3/25/2022	0-1.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-16	3/25/2022	0-1.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-17	3/25/2022	0-1.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352

Table 4
EOG Resources
Caballo Section 23
Lea County, New Mexico

	Sample	Excavtion	Soil	Status		TPH (n	ng/kg)		_ , , ,		Ethlybenzene		Total BTEX	Chloride
Sample ID	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	(mg/kg)	Xylene (mg/kg)	(mg/kg)	(mg/kg)
RRALs (Top 4.0' of Soil)								100	10				50	600
RRALs					1,	000		mg/kg 2,500	mg/kg 10				mg/kg 50	mg/kg 10,000
(Beyond Top 4.0' of Soil)				1		g/kg		mg/kg	mg/kg				mg/kg	mg/kg
SW-18	3/25/2022	0-1.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-19	3/25/2022	0-1.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-20	3/25/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-21	3/25/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-22	3/25/2022	0-2.0	Χ	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-23	3/25/2022	0-2.0	Χ	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-24	3/25/2022	0-2.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-25	3/25/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-26	3/25/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-27	3/25/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-28	3/25/2022	0-5.0	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	608
0111.00	4/4/2022	0-5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-29	3/25/2022	0-5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-30	3/25/2022	0-5.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-31	3/25/2022	0-5.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-32	4/4/2022	0-2.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-33	4/4/2022 4/8/2022	0-2.0 0-3.0	X	-	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	672 64.0
SW-34	4/4/2022	0-2.0	Х	_	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-35	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-36	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-37	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-38	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-39	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-40	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-41	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-42	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-43	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	672
	4/8/2022	0-3.0	Х	-	<10.0	11.2	15.4	26.6	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-44	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-45	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-46	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-47	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-48	4/4/2022	0-2.0	Χ	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0

Table 4
EOG Resources
Caballo Section 23
Lea County, New Mexico

	250 Sounty, Non I													
Sample ID	Sample	Excavtion	Soil	Status		TPH (n	ng/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xylene (mg/kg)	Total BTEX	Chloride
	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total			(mg/kg)		(mg/kg)	(mg/kg)
RRALs								100	10				50	600
(Top 4.0' of Soil) RRALs					1	000		mg/kg 2,500	mg/kg 10				mg/kg 50	mg/kg 10,000
(Beyond Top 4.0' of Soil)					,	g/kg		mg/kg	mg/kg				mg/kg	mg/kg
SW-49	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	<0.050	<0.150	<0.300	80.0
SW-50	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-51	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-52	4/4/2022	0-2.0	Χ	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-53	4/4/2022	0-2.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-54	4/4/2022	0-5.0	Х	_	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-55	4/4/2022	0-5.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-56	4/4/2022	0-5.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-57	4/4/2022	0-5.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-58	4/5/2022	0-8.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-59	4/5/2022	0-8.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-60	4/5/2022	0-8.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-61	4/5/2022	0-8.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-62	4/5/2022	0-8.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-63	4/6/2022	0-5.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	0.157	0.055	<0.150	<0.300	176
SW-64	4/6/2022	0-5.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-65	4/6/2022	0-5.0	Χ	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-66	4/6/2022	0-5.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-67	4/14/2022	0-9.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-68	4/14/2022	0-9.0	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-69	4/14/2022	0-9.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-70	4/14/2022	0-9.0	Χ	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0

Table 4 **EOG Resources** Caballo Section 23 Lea County, New Mexico

0 1 10	Sample Excav	Excavtion	Soil	Status		TPH (m	ng/kg)		_ , ,,	Toluono (ma/ka)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	Benzene (mg/kg)	l oluene (mg/kg)			(mg/kg)	(mg/kg)
RRALs								100	10				50	600
(Top 4.0' of Soil)								mg/kg	mg/kg				mg/kg	mg/kg
RRALs					1,	000		2,500	10				50	10,000
(Beyond Top 4.0' of Soil)					mg	g/kg		mg/kg	mg/kg				mg/kg	mg/kg
5-Point Composite Resamples														
	3/24/2022	0-1	X	-	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	64.0
	3/24/2022	1.1.5	Х	-	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-2	3/24/2022	2-2.5	Х	-	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	32.0
	3/24/2022	3-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	16.0
	3/24/2022	4-4.5	Х	-	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	< 0.300	32.0
	3/24/2022	0-1	X	- 1	<10.0	11.2	<10.0	11.2	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	3/24/2022	1.1.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-3	3/24/2022	2-2.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	48.0
	3/24/2022	3-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	<0.050	<0.150	< 0.300	144
	3/24/2022	4-4.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	<0.050	<0.150	< 0.300	288

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
Remediated



Photographic Documentation

lemediation etra Tech

EOG Resources Caballo Section 23 TB Lea County, New Mexico







View of Remediation Activities – View Northwest



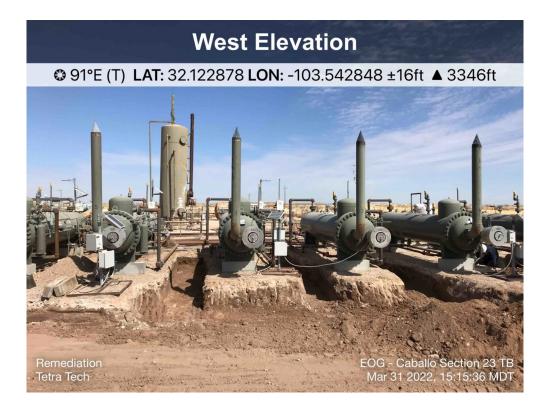
View of Remediation Activities - View North

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EOG Resources Caballo Section 23 TB Lea County, New Mexico



View of Remediation Activities - View North



View of Remediation Activities – View East

EOG Resources Caballo Section 23 TB Lea County, New Mexico



View of Remediation Activities – View Northeast

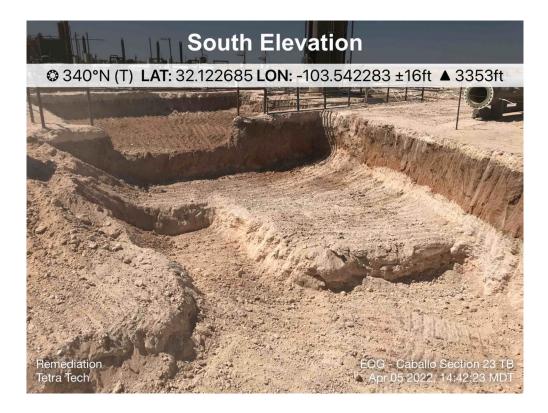


View of Remediation Activities – View Northeast

EOG Resources Caballo Section 23 TB Lea County, New Mexico







View of Remediation Activities - View North



View of Remediation Activities – View Southwest



Appendix A

C-141 Document

<u>District I</u> 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	NAPP2112555381
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party EOG	Resources		OGRID 7377						
Contact Nam	ne Todd We	ells			Contact T	elephone (432)	686-3613			
Contact ema	il Todd_We	ells@eogresources	.com		Incident #	t (assigned by OCD)	NAPP2112555381			
Contact mail 79706	ing address	5509 Champions	Drive Midland,	ГΧ						
			Location	ı of R	delease S	ource				
Latitude 32.1	22741°		(NAD 83 in d	ecimal de	Longitude -103.542910° l degrees to 5 decimal places)					
Site Name C	aballo Section	on 23 Tank Batter	y		Site Type	EOG Facility				
Date Release	Discovered	6/8/19			API# (if ap	plicable)				
Unit Letter	Section	Township	Range		Cou	nty	1			
В	23	25S	33E	Lea						
	Materia	l(s) Released (Select a	Nature an				e volumes provided below)			
Crude Oi		Volume Release		n carculat	Volume Recovered (bbls) 1					
Produced	Water	Volume Release	ed (bbls) 7			Volume Recovered (bbls) 4				
		Is the concentral produced water	tion of dissolved >10,000 mg/l?	chloride	e in the	⊠ Yes □ N	lo			
Condensa	ite	Volume Release				Volume Reco	overed (bbls)			
Natural G	as	Volume Release	ed (Mcf)			Volume Reco	overed (Mcf)			
Other (de	Other (describe) Volume/Weight Released (provide unit)	Volume/Weig	ght Recovered (provide units)			
Cause of Relerecovered.	ease: The p	in hole in the LP h	neater water leg a	llowed 1	the release o	of approximately	8 bbls of oil and water and 5 bbls			

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P	age	36e	of 4	98
	-0		,	/ -

Incident ID	NAPP2112555381
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
☐ Yes ⊠ No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
,	
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.
The impacted area has	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environn failed to adequately investigations.	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have atte and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name:Todd W	Title: Environmental Specialist
Signature: Todd	<i>Wells</i> Date: <u>7-12-19</u>
email:Todd_Wells(@eogresources.com Telephone:(432) 686-3613
OCD Only	
Received by: Ramona	Marcus Date:

Received by OCD: 6/15/2022 5:17:58 PM Form C-141 State of New Mexico Page 3 Oil Conservation Division

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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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well 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	ls.

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.

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Incident ID		
District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name:	_ Title:
Signature: Todd Wells	Date:6/15/22
email:	Telephone:
OCD Only	
Received by:	Date:

Received by OCD: 6/15/2022 5:17:58 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

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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 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and renuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the confidence with 19.15.29.13 NMAC including notification to the O	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Printed Name:	
Signature: Todd Wells	Date:6/15/22
email:	Telephone:
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date: 06/29/2022
Printed Name:Jennifer Nobui	Title: Environmental Specialist A



Appendix B

Site Characterization Documents

Soil Drilling Log

TETRA TECH

Project Name: EOG Caballo sec 23

Project No.:

Location: Lea County, NM

Coordinates: 32.12283, -103.54208

Elevation: N/A

Date: Tuesday, September 21, 2021

Sampler : John Thurston

Driller: Scarborough

Method: Air Rotary

Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)	Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)
⁰ 工		red/brown dry loose silty sand occ caliche	126	N/S N/O	50		reddish orange silty sand, trace caliche		
\pm		It brown silty sand	131	N/S N/O	\pm		Total Depth = 55'		
_+					+				
⁵ ‡		red/brown sity sand, some poorly indurated	174	N/S N/O	55		reddish orange silty sand, increased caliche, dry bottoms up		
丰		red silty sand, dry loose	447	N/S N/O	#				
10		White caliche w/ some red sand	502	N/S N/O	60				
15		Dry loose It red silty sand			65				
20		Dry loose It red silty sand			70				
25		It red dry loose calcic sand			75				
30		lt red dry loose calcic sand			80				
35 -		lt red dry loose calcic sand			85				
40		reddish orange silty sand, trace caliche			90				
45		reddish orange silty sand, trace caliche			95				
50					100				

Borehole ID:

^{*} H.O. = Heavy Odor

^{*} H.S. = Heavy Staining

^{*} L.O. = Low Odor

^{*} L.S. = Low Staining



Water Well Data Average Depth to Groundwater (ft) EOG - Caballo Sec. 23 Tank Battery , Lea County, New Mexico

	24 \$	South	;	32 East	t		24 South		3	3 East	t		24 South			34 East	
6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10	11	12	7	8	9	10	11	12	7	8	9	10	11	12
			20						24.6								
18	17	16	15	14	13	18	17	16	15	14	13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21	22	23	24	19	20	21	22	23	24
										208	16.9						
30	29	28	27	26	25	30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36
		290						93.2									
	25 S	outh	;	32 East	t		25	South	3	3 East	t		25 Sc	outh	3	4 East	:
6	5	4	3	2	1	6	5	90 4	3 172	2 2	1	6	5	4	3	2	1 260
7	8	9	10	11	12	7	8	9	10	11	12	7	8	9	10	11	12
										140	200						
18	17	16	15	14	13	18	17	16	15	14	13	18	17	16	15	14	13
											185				135		
19	20	21	22	23	24	19	20	21	22	23	24	19	20	21	22	23	24
							200	120									300
30	29	28	27	26	25	30	29	28	27	26 110	25	30	29 50	28	27	26	25
31	32	33	34	35	36	31	32	33	125 34	35	36	31	32	33	34	35	36
01	290	33	54	55	50	257	02	55	5	55	50	51	OZ.	55	04	33	30
	26.5	outh		32 East	•		26	South	3	3 East	•		26 Sc	outh	7	34 East	
6	5	4	3	2	1	6	5		3 180		1	6	5	4	3	2	1
Ŭ	Ŭ	1		ľ		ŭ	ľ	l'	0 .0.	1		130	ľ	Ι΄.	Ŭ	ľ	l'
7	8	9	10	11	12	7	8	9 106	10	11	12	7	8	9	10	11	12
						Ĺ		0 100	124			,	Ů				
18	17	16	15	14	13	18	17	16	15	14	13	18	17	16	15	14	13
19	20	21 333	22	23	24	19	20	21	22	23	24	19	20	21	22	23	24
		180															
30	29	28	27	26	25	30	29	28	27	26	25	30	29	28	27	26	25
							1		80								
31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36
295																	

- 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
- 121 Abandoned Waterwell (recently measured)



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

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

(R=POD has been replaced,

O=orphaned, C=the file is

(quarters are 1=NW 2=NE 3=SW 4=SE) closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-	County		Q 16		Sec	Tws	Rna		X	Y	-	_	Water Column
C 02312	Oodo	CUB	•					25S		63224		3559687*	150	90	60
<u>C 02313</u>		CUB	LE	2	3 3	3 2	26	25S	33E	63697	1	3552098*	150	110	40
C 02373 CLW317846	0	CUB	LE	2	1	1	13	25S	33E	63851	8	3556544* 🎒	625	185	440
C 02373 S		CUB	LE	1	2	1	13	25S	33E	63872	1	3556549* 🎒	625	185	440

Average Depth to Water: 142 feet

> Minimum Depth: 90 feet

Maximum Depth: 185 feet

Record Count: 4

PLSS Search:

Township: 25S Range: 33E

*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.



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

X

C 02313

3 26 25S 33E

636971 3552098*



Driller License:

Driller Company:

Driller Name: UNKNOWN

Drill Start Date: 01/01/1925 **Drill Finish Date:**

06/30/1925

Plug Date:

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Depth Well:

150 feet

Estimated Yield: 60 GPM Depth Water:

Casing Size:

6.88

110 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.



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:	Geographic Area:	
Groundwater	✓ United States	✓ GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

• 320631103351401

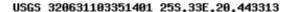
Minimum number of levels = 1

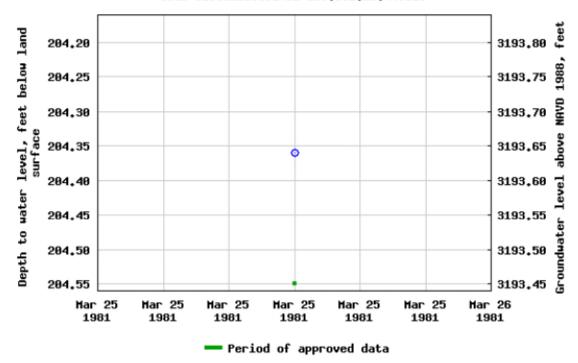
Save file of selected sites to local disk for future upload

USGS 320631103351401 25S.33E.20.443313

Available data for this site	Groundwater: Field	d measurements	GO	
Lea County, New Mexico				
Hydrologic Unit Code				
Latitude 32°06'31", Longit	ude 103°35'14	" NAD27		
Land-surface elevation 3,39	8 feet above N	IAVD88		
This well is completed in the	e Chinle Forma	tion (231CHNL)	local a	quifer.
•	Output fo	ormats		-

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





Breaks in the plot represent a gap of at least one year between field measurements.

Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility Plug-Ins FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

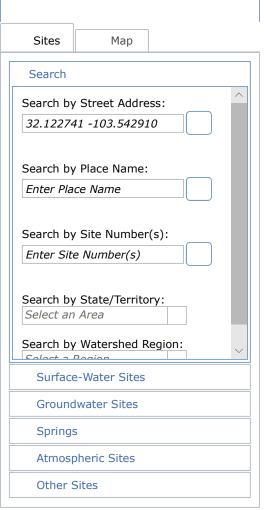
Page Last Modified: 2019-07-02 12:16:27 EDT

1.03 0.92 nadww01





National Water Information System: Mapper





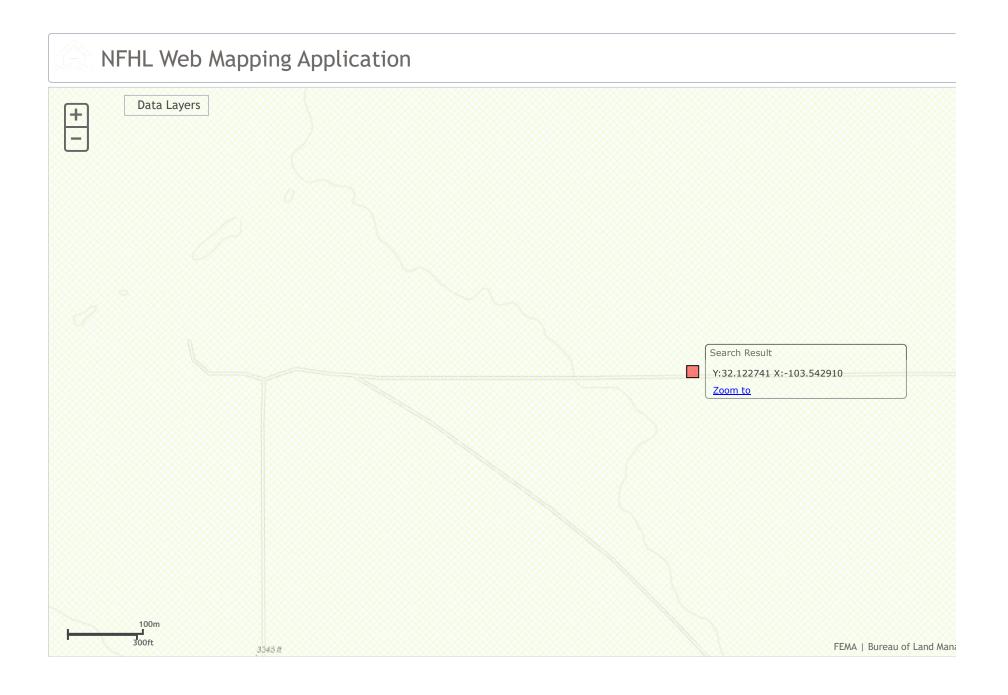
Received by OCD: 6/15/2022 5:17:58 PM Karst Potential

EOG Caballo Sec. 23 TB

Page 49 of 498 Legend Caballo Sec 23 CTB Spill Path_Part Caballo Section 23 Tank Battery 🏉 High Low Medium

Caballo Section 23 Tank Battery







Appendix C

Laboratory Reports

Analytical Report 628855

for Tetra Tech- Midland

Project Manager: Clair Gonzales

Caballo 23 TB

07-JUL-19

Collected By: Client



1089 N Canal Street Carlsbad, NM 88220

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

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

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



07-JUL-19

Project Manager: Clair Gonzales Tetra Tech- Midland 901 West Wall ST Midland, TX 79701

Reference: XENCO Report No(s): 628855

Caballo 23 TB

Project Address: Lea Co, NM

Clair Gonzales:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 628855. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 628855 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Vramer

Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

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



Sample Cross Reference 628855

Tetra Tech- Midland, Midland, TX

Caballo 23 TB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH #1	S	06-24-19 00:00	0 - 1 ft	628855-001
AH #1	S	06-24-19 00:00	1 - 1.5 ft	628855-002
AH #1	S	06-24-19 00:00	2 - 2.5 ft	628855-003
AH #1	S	06-24-19 00:00	3 - 3.5 ft	628855-004
AH #1	S	06-24-19 00:00	4 - 4.5 ft	628855-005
AH #2	S	06-24-19 00:00	0 - 1 ft	628855-006
AH #2	S	06-24-19 00:00	1 - 1.5 ft	628855-007
AH #3	S	06-24-19 00:00	0 - 1 ft	628855-008
AH #3	S	06-24-19 00:00	1 - 1.5 ft	628855-009
AH #3	S	06-24-19 00:00	2 - 2.5 ft	628855-010
AH #3	S	06-24-19 00:00	4 - 4.5 ft	628855-011
AH #3	S	06-24-19 00:00	3 - 3.5 ft	628855-012
AH #4	S	06-24-19 00:00	0 - 1 ft	628855-013
AH #4	S	06-24-19 00:00	1 - 1.5 ft	628855-014
AH #4	S	06-24-19 00:00	2 - 2.5 ft	628855-015
AH #4	S	06-24-19 00:00	3 - 3.5 ft	628855-016
AH #4	S	06-24-19 00:00	4 - 4.5 ft	628855-017
AH #5	S	06-24-19 00:00	0 - 1 ft	628855-018
AH #5	S	06-24-19 00:00	1 - 1.5 ft	628855-019
AH #5	S	06-24-19 00:00	2 - 2.5 ft	628855-020
AH #5	S	06-24-19 00:00	3 - 3.5 ft	628855-021
AH #6	S	06-24-19 00:00	0 - 1 ft	628855-022
AH #6	S	06-24-19 00:00	1 - 1.5 ft	628855-023
AH #6	S	06-24-19 00:00	2 - 2.5 ft	628855-024
AH #7	S	06-24-19 00:00	0 - 1 ft	628855-025
AH #8	S	06-24-19 00:00	0 - 1 ft	628855-026

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Caballo 23 TB

Project ID: Report Date: 07-JUL-19
Work Order Number(s): 628855
Date Received: 06/24/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3094559 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Received by OCD: 6/15/2022 5:17:58 PM XENCO LABORATORIES

Certificate of Analysis Summary 628855

Tetra Tech- Midland, Midland, TX

Project Name: Caballo 23 TB

Project Id:

Project Location:

Contact: Clair Gonzales

Lea Co, NM

Date Received in Lab: Mon Jun-24-19 02:35 pm **Report Date:** 07-JUL-19

Project Manager: Jessica Kramer

	Lab Id:	628855-0	001	628855-0	02	628855-0	03	628855-0	04	628855-0	005	628855-0	006
Analysis Pagyastad	Field Id:	AH #1		AH #1		AH #1		AH #1		AH #1		AH #2	2
Analysis Requested	Depth:	0-1 ft		1-1.5 ft	:	2-2.5 ft		3-3.5 ft		4-4.5 f	t	0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jun-24-19 (00:00	Jun-24-19 0	00:00	Jun-24-19 0	0:00	Jun-24-19 (0:00	Jun-24-19 (00:00	Jun-24-19 (00:00
BTEX by EPA 8021B	Extracted:	Jul-01-19 1	7:40	Jul-01-19 1	7:40							Jul-01-19 1	7:40
SUB: T104704400-18-16	Analyzed:	Jul-05-19 1	6:30	Jul-05-19 1	6:52							Jul-05-19 1	7:14
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Benzene		< 0.000382	0.000382	< 0.000383	0.000383							< 0.000386	0.000386
Toluene		< 0.000452	0.000452	< 0.000454	0.000454							< 0.000457	0.000457
Ethylbenzene		< 0.000560	0.000560	< 0.000563	0.000563							< 0.000566	0.000566
m,p-Xylenes		< 0.00101	0.00101	< 0.00101	0.00101							< 0.00102	0.00102
o-Xylene		< 0.000342	0.000342	< 0.000343	0.000343							< 0.000345	0.000345
Total Xylenes		< 0.000342	0.000342	< 0.000343	0.000343							< 0.000345	0.000345
Total BTEX		< 0.000342	0.000342	< 0.000343	0.000343							< 0.000345	0.000345
Chloride by EPA 300	Extracted:	Jun-26-19	16:35	Jun-26-19 1	6:35	Jun-26-19 1	6:35	Jun-26-19 1	6:35	Jun-26-19 1	16:35	Jun-26-19 1	16:45
SUB: T104704400-18-16	Analyzed:	Jun-26-19	18:39	Jun-26-19 1	8:44	Jun-26-19 1	8:48	Jun-26-19 1	8:53	Jun-26-19 1	18:58	Jun-26-19 1	19:42
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		3820	4.27	4190	4.28	1800	4.29	2210	4.32	3500	4.27	5970	8.58
TPH by SW8015 Mod	Extracted:	Jun-27-19 (07:00	Jun-27-19 0	7:00							Jun-27-19 (07:00
SUB: T104704400-18-16	Analyzed:	Jun-27-19	12:48	Jun-27-19 1	4:02							Jun-27-19 1	14:27
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		9.00 J	7.99	8.65 J	7.98							10.1 J	7.99
Diesel Range Organics (DRO)		9.93 J	8.12	10.3 J	8.10							10.0 J	8.11
Motor Oil Range Hydrocarbons (MRO)		<8.12	8.12	<8.10	8.10							<8.11	8.11
Total TPH		18.9	7.99	19.0	7.98							20.1	7.99

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Jessica Kramer



Project Id:

Certificate of Analysis Summary 628855

Tetra Tech- Midland, Midland, TX

Project Name: Caballo 23 TB

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Mon Jun-24-19 02:35 pm

Report Date: 07-JUL-19 **Project Manager:** Jessica Kramer

	Lab Id:	628855-0	007	628855-0	08	628855-0	09	628855-0	10	628855-0	11	628855-0	12
Analysis Requested	Field Id:	AH #2	:	AH #3		AH #3		AH #3		AH #3		AH #3	
Anaiysis Kequesieu	Depth:	1-1.5 f	t	0-1 ft		1-1.5 ft	:	2-2.5 ft	:	4-4.5 ft	i	3-3.5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jun-24-19 (00:00	Jun-24-19 00:00		Jun-24-19 00:00		Jun-24-19 (00:00	Jun-24-19 (00:00	Jun-24-19 0	0:00
BTEX by EPA 8021B	Extracted:	Jul-01-19 1	7:40	Jul-01-19 17:40		Jul-01-19 17:40							
SUB: T104704400-18-16	Analyzed:	Jul-05-19 1	7:36	Jul-05-19 17:58		Jul-05-19 18:20							
	Units/RL:	mg/kg	0 0		RL	mg/kg	RL						
Benzene		< 0.000381	0.000381	< 0.000381	<0.000381 0.000381		<0.000378 0.000378						
Toluene		< 0.000451	0.000451 0.000451 <		<0.000451 0.000451		0.000448						
Ethylbenzene		< 0.000559	0.000559	< 0.000559	0.000559	< 0.000555	0.000555						
m,p-Xylenes		< 0.00100	0.00100	< 0.00100	0.00100	<0.000996 (0.000996						
o-Xylene		< 0.000341	0.000341	< 0.000341	0.000341	<0.000338 (0.000338						
Total Xylenes		< 0.000341	0.000341	< 0.000341	0.000341	< 0.000338	0.000338						
Total BTEX		< 0.000341	0.000341	< 0.000341	0.000341	<0.000338 (0.000338						
Chloride by EPA 300	Extracted:	Jun-26-19	16:45	Jun-26-19 1	6:45	Jun-26-19 1	6:45	Jun-26-19 1	6:45	Jun-26-19 1	6:45	Jun-26-19 16:45	
SUB: T104704400-18-16	Analyzed:	Jun-26-19	19:46	Jun-26-19 1	9:27	Jun-26-19 19:51		Jun-26-19 1	9:56	Jun-26-19 2	0:11	Jun-26-19 2	0:16
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		4060	8.60	207	0.862	247	0.867	1570	4.27	2160	4.25	9330	8.65
TPH by SW8015 Mod	Extracted:	Jun-27-19 (07:00	Jun-27-19 0	7:00	Jun-27-19 0	7:00						
SUB: T104704400-18-16	Analyzed:	Jun-27-19	14:52	Jun-27-19 1	5:18	Jun-27-19 1	5:43						
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)		8.91 J	7.98	10.4 J	8.00	9.60 J	7.99						
Diesel Range Organics (DRO)		9.19 J	8.10	13.1 J	8.13	10.6 J	8.11						
Motor Oil Range Hydrocarbons (MRO)		<8.10	8.10	<8.13	8.13	<8.11	8.11						
Total TPH		18.1	7.98	23.5	8.00	20.2	7.99			·			

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Jessica Kramer

Project Id:

Project Location:

Certificate of Analysis Summary 628855

Tetra Tech- Midland, Midland, TX

Project Name: Caballo 23 TB

Contact: Clair Gonzales

Lea Co, NM

Date Received in Lab: Mon Jun-24-19 02:35 pm

Report Date: 07-JUL-19

Project Manager: Jessica Kramer

	Lab Id:	628855-0	013	628855-0	014	628855-0	15	628855-0)16	628855-0	17	628855-0	018
	Field Id:	AH #4		AH #4		AH #4		AH #4		AH #4		AH #5	
Analysis Requested	Depth:	0-1 ft		1-1.5 ft		2-2.5 ft		3-3.5 f		4-4.5 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL			SOIL		
		Jun-24-19 (Jun-24-19 (00.00	Jun-24-19 (00.00	Jun-24-19 (00.00	Jun-24-19 (10.00	SOIL Jun-24-19 0	00.00
	Sampled:	Jun-24-19	00:00	Jun-24-19 C	00:00	Jun-24-19 (00:00	Jun-24-19 (0:00	Jun-24-19 C	0:00	Jun-24-19 U	0:00
BTEX by EPA 8021B	Extracted:	Jul-01-19	17:40	Jul-01-19 1	7:40							Jul-01-19 1	7:40
SUB: T104704400-18-16	Analyzed:	Jul-06-19 (00:19	Jul-05-19 2	1:45							Jul-05-19 1	8:42
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Benzene		< 0.000384	0.000384	< 0.000386	0.000386							< 0.000385	0.000385
Toluene		< 0.000455	0.000455	< 0.000457	0.000457							< 0.000456	0.000456
Ethylbenzene		< 0.000564	0.000564	< 0.000567	0.000567							< 0.000565	0.000565
m,p-Xylenes		< 0.00101	0.00101	< 0.00102	0.00102							< 0.00101	0.00101
o-Xylene		< 0.000344	0.000344	< 0.000346	0.000346							< 0.000344	0.000344
Total Xylenes		< 0.000344	0.000344	< 0.000346	0.000346							< 0.000344	0.000344
Total BTEX		< 0.000344	0.000344	< 0.000346	0.000346							< 0.000344	0.000344
Chloride by EPA 300	Extracted:	Jun-26-19	16:45	Jun-26-19 1	6:45	Jun-26-19 16:45		Jun-26-19	6:45	Jun-26-19 16:45		Jun-26-19 1	6:45
SUB: T104704400-18-16	Analyzed:	Jun-26-19	20:20	Jun-26-19 2	20:25	Jun-26-19 20:30		Jun-26-19 20:35		Jun-26-19 20:49		Jun-26-19 20:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride	'	967	0.857	143	0.858	54.1	0.858	348	0.858	922	0.853	6190	8.67
TPH by SW8015 Mod	Extracted:	Jun-27-19	07:00	Jun-27-19 0	7:00							Jun-27-19 0	7:00
SUB: T104704400-18-16	Analyzed:	Jun-27-19	16:09	Jun-27-19 1	6:34							Jun-27-19 1	7:00
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Gasoline Range Hydrocarbons (GRO)	'	15.5	7.99	9.04 J	7.99							13.1 J	7.97
Diesel Range Organics (DRO)		1710	8.12	132	8.12							2690	8.10
Motor Oil Range Hydrocarbons (MRO)		170	8.12	21.3	8.12							281	8.10
Total TPH		1900	7.99	162	7.99							2980	7.97

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Certificate of Analysis Summary 628855

Tetra Tech- Midland, Midland, TX

Project Name: Caballo 23 TB

Project Id: Contact:

Project Location:

Clair Gonzales Lea Co, NM **Date Received in Lab:** Mon Jun-24-19 02:35 pm

Report Date: 07-JUL-19

Project Manager: Jessica Kramer

	Lab Id:	628855-0	10	628855-0	20	628855-0	21	628855-0)22	628855-0)23	628855-0)24
	Field Id:	028833-0 AH #5	-	028833-C		028833-0 AH #5		028833-0 AH #6		028833-0 AH #6		028833-C	
Analysis Requested													
	Depth:	1-1.5 ft	t	2-2.5 f	t	3-3.5 ft		0-1 ft		1-1.5 ft		2-2.5 f	t
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jun-24-19 (00:00	Jun-24-19 (00:00	Jun-24-19 (00:00	Jun-24-19 (00:00	Jun-24-19 (00:00	Jun-24-19 (00:00
BTEX by EPA 8021B	Extracted:	Jul-01-19 1	7:40					Jul-01-19 1	7:40	Jul-01-19 1	7:40		
SUB: T104704400-18-16	Analyzed:	Jul-05-19 1	9:04					Jul-06-19 0	00:41	Jul-05-19 1	9:26		
	Units/RL:	mg/kg	RL					mg/kg	RL	mg/kg	RL		
Benzene		< 0.000386	0.000386					< 0.000382	0.000382	< 0.000382	0.000382		
Toluene		< 0.000457	0.000457					< 0.000452	0.000452	< 0.000452	0.000452		
Ethylbenzene		< 0.000567	<0.000567 0.000567					< 0.000560	0.000560	< 0.000560	0.000560		
m,p-Xylenes		< 0.00102	0.00102					< 0.00101	0.00101	< 0.00101	0.00101		
o-Xylene		< 0.000346	0.000346					< 0.000342	0.000342	< 0.000342	0.000342		
Total Xylenes		< 0.000346	0.000346					< 0.000342	0.000342	< 0.000342	0.000342		
Total BTEX		< 0.000346	0.000346					< 0.000342	0.000342	< 0.000342	0.000342		
Chloride by EPA 300	Extracted:	Jun-26-19 16:45		Jun-26-19 16:45		Jun-26-19 1	6:45	Jun-26-19 1	16:45	Jun-26-19 16:45		Jun-26-19 16:45	
SUB: T104704400-18-16	Analyzed:	Jun-26-19 2	21:09	Jun-26-19 2	21:14	Jun-26-19 2	1:18	Jun-26-19 2	21:23	Jun-26-19 2	21:28	Jun-26-19 21:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2510	4.30	321	0.850	4980	4.25	3730	4.27	776	0.864	11.4	0.857
TPH by SW8015 Mod	Extracted:	Jun-27-19 (7:00					Jun-27-19 (07:00	Jun-27-19 (07:00		
SUB: T104704400-18-16	Analyzed:	Jun-27-19 1	7:25					Jun-27-19 1	18:17	Jun-27-19	18:43		
	Units/RL:	mg/kg	RL					mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<7.98	7.98					44.9	7.99	11.4 J	7.97	7.97	
Diesel Range Organics (DRO)		109	8.10					3990	8.12	858	858 8.10		
Motor Oil Range Hydrocarbons (MRO)		46.2	8.10					314	8.12	114	8.10		
Total TPH		155	7.98					4350	7.99	983	7.97		

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Jessica Kramer

Received by OCD: 6/15/2022 5:17:58 PM XENCO LABORATORIES

Certificate of Analysis Summary 628855

Tetra Tech- Midland, Midland, TX Project Name: Caballo 23 TB

Project Id:

Project Location:

Contact: Clair Gonzales

Lea Co, NM

Date Received in Lab: Mon Jun-24-19 02:35 pm

Report Date: 07-JUL-19

Project Manager: Jessica Kramer

	Lab Id:	628855-0)25	628855-0	026		
Analysis Requested	Field Id:	AH #7		AH #8	3		
Anatysis Requesteu	Depth:	0-1 ft		0-1 ft			
	Matrix:	SOIL		SOIL			
	Sampled:	Jun-24-19 (00:00	Jun-24-19	00:00		
BTEX by EPA 8021B	Extracted:	Jul-01-19 1	7:40	Jul-01-19 1	7:40		
SUB: T104704400-18-16	Analyzed:	Jul-05-19 1	9:48	Jul-05-19 2	21:23		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene		< 0.000383	0.000383	< 0.000382	0.000382		
Toluene		< 0.000453	0.000453	< 0.000452	0.000452		
Ethylbenzene		< 0.000561	0.000561	< 0.000560	0.000560		
m,p-Xylenes		< 0.00101	0.00101	< 0.00101	0.00101		
o-Xylene		< 0.000342	0.000342	< 0.000342	0.000342		
Total Xylenes		< 0.000342	0.000342	< 0.000342	0.000342		
Total BTEX		< 0.000342	0.000342	< 0.000342	0.000342		
Chloride by EPA 300	Extracted:	Jun-26-19	16:45	Jun-28-19 (08:30		
SUB: T104704400-18-16	Analyzed:	Jun-26-19 2	21:38	Jun-28-19	11:42		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Chloride		2810	4.29	2500	4.29		
TPH by SW8015 Mod	Extracted:	Jun-27-19 (07:00	Jun-27-19 (07:00		
SUB: T104704400-18-16	Analyzed:	Jun-27-19	19:09	Jun-27-19	19:35		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)	·	9.64 J	8.00	11.7 J	8.00		
Diesel Range Organics (DRO)		2460	8.13	1140	8.13		
Motor Oil Range Hydrocarbons (MRO)		259	8.13	138	8.13		
Total TPH		2730	8.00	1290	8.00		

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Jessica Married



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

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

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

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

^{**} Surrogate recovered outside laboratory control limit.



Project Name: Caballo 23 TB

Work Orders: 628855,

Project ID:

Lab Batch #: 3093877 Matrix: Soil **Sample:** 628855-001 / SMP Batch: I Inite ma/lea Date Analyzed: 06/27/19 12:48

Units:	mg/kg	Date Analyzed: 06/27/19 12:48	SU	RROGATE RE	ECOVERY S	STUDY	
	ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	tane	•	93.9	99.9	94	70-135	
o-Terpheny	1		38.7	50.0	77	70-135	

Lab Batch #: 3093877 Sample: 628855-002 / SMP Batch: Matrix: Soil

Units: mg/kg **Date Analyzed:** 06/27/19 14:02 SURROGATE RECOVERY STUDY **Amount** True Control TPH by SW8015 Mod Found Limits Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 1-Chlorooctane 98.0 99.7 98 70-135 o-Terphenyl 49.9 48.0 96 70-135

Lab Batch #: 3093877 Sample: 628855-006 / SMP Batch: Matrix: Soil

Units: mg/kg Date Analyzed: 06/27/19 14:27 SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	99.8	104	70-135	
o-Terphenyl	49.8	49.9	100	70-135	

Lab Batch #: 3093877 Sample: 628855-007 / SMP Batch: Matrix: Soil

Units:	mg/kg	Date Analyzed: 06/27/19 14:52	SU	RROGATE R	ECOVERY S	STUDY	
	ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	ctane	-	91.2	99.7	91	70-135	
o-Terpheny	yl		41.8	49.9	84	70-135	

Lab Batch #: 3093877 Sample: 628855-008 / SMP Batch: Matrix: Soil

Units:	mg/kg	Date Analyzed: 06/27/19 15:18	SURROGATE RECOVERY STUDY								
	ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags				
1-Chlorooct	ane		85.8	100	86	70-135					
o-Terphenyl			46.9	50.0	94	70-135					

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Caballo 23 TB

Work Orders: 628855,

Sample: 628855-009 / SMP

Project ID:

SURROGATE RECOVERY STUDY

Batch: 1 Matrix: Soil

Lab Batch #: 3093877
Units: mg/kg

Date Analyzed: 06/27/19 15:43

TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	87.7	99.8	88	70-135	
o-Terphenyl	40.9	49.9	82	70-135	

Lab Batch #: 3093877Sample: 628855-013 / SMPBatch: 1Matrix: Soil

Units: mg/kg Date Analyzed: 06/27/19 16:09 SURROGATE RECOVERY STUDY

TDH by SW8015 Mod Amount True Control

TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	85.2	99.9	85	70-135	
o-Terphenyl	46.4	50.0	93	70-135	

Lab Batch #: 3093877 **Sample:** 628855-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg Date Analyzed: 06/27/19 16:34 SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.6	99.9	100	70-135	
o-Terphenyl	46.0	50.0	92	70-135	

Lab Batch #: 3093877 **Sample:** 628855-018 / SMP **Batch:** 1 **Matrix:** Soil

Units:	mg/kg	Date Analyzed: 06/27/19 17:00	SURROGATE RECOVERY STUDY						
	ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooc	ctane	- Indigues	82.9	99.6	83	70-135			
o-Terpheny	yl		43.7	49.8	88	70-135			

Lab Batch #: 3093877 **Sample:** 628855-019 / SMP **Batch:** 1 **Matrix:** Soil

Units:	mg/kg	Date Analyzed: 06/27/19 17:25	SURROGATE RECOVERY STUDY				
	ТРН	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorooc	tane		94.9	99.7	95	70-135	
o-Terpheny	1		43.4	49.9	87	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Caballo 23 TB

Work Orders: 628855,

Sample: 628855-022 / SMP

Project ID:

Lab Batch #: 3093877 I Inite mø/kø Date Analyzed: 06/27/19 18:17

Matrix: Soil Batch: 1

49.8

82

70-135

Units:	mg/kg	Date Analyzed: 06/27/19 18:17	SURROGATE RECOVERY STUDY					
	ТРН	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
		Analytes			,			
1-Chlorooc	tane		81.1	99.9	81	70-135		
o-Terpheny	1		49.2	50.0	98	70-135		

Lab Batch #: 3093877 Sample: 628855-023 / SMP Batch: 1 Matrix: Soil

Units: mg/kg Date Analyzed: 06/27/19 18:43 SURROGATE RECOVERY STUDY **Amount** True Control TPH by SW8015 Mod Found Limits Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 1-Chlorooctane 99.6 97 70-135 96.4 o-Terphenyl

40.8

Lab Batch #: 3093877 Sample: 628855-025 / SMP Batch: Matrix: Soil

Units: mg/kg Date Analyzed: 06/27/19 19:09 SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.7	100	75	70-135	
o-Terphenyl	37.0	50.0	74	70-135	

Lab Batch #: 3093877 **Sample:** 628855-026 / SMP Batch: Matrix: Soil

Units:	mg/kg	Date Analyzed: 06/27/19 19:35	SURROGATE RECOVERY STUDY					
	ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorood	ctane		85.8	100	86	70-135		
o-Terpheny	yl		36.2	50.0	72	70-135		

Lab Batch #: 3094559 Sample: 628855-001 / SMP Batch: Matrix: Soil

Units:	mg/kg	Date Analyzed: 07/05/19 16:30	SURROGATE RECOVERY STUDY					
	ВТЕ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1,4-Difluore	obenzene		0.0289	0.0300	96	70-130		
4-Bromofluorobenzene			0.0315	0.0300	105	70-130		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Caballo 23 TB

Work Orders: 628855,

Sample: 628855-002 / SMP

Project ID:

Lab Batch #: 3094559 T T-- 24 -- -... _ /1_ _ Data Amalamada 07/05/10 16.50

Matrix: Soil Batch:

Units: mg/kg Date Analyzed: 07/05/19 16:52	SU	RROGATE RI	ECOVERY S	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0286	0.0300	95	70-130	
4-Bromofluorobenzene	0.0319	0.0300	106	70-130	

Lab Batch #: 3094559 Sample: 628855-006 / SMP Batch: 1 Matrix: Soil

Units: mg/kg Date Analyzed: 07/05/19 17:14 SURROGATE RECOVERY STUDY **Amount** True Control BTEX by EPA 8021B Found Limits Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 1,4-Difluorobenzene 0.0294 0.0300 98 70-130 4-Bromofluorobenzene 0.0322 0.0300 107 70-130

Lab Batch #: 3094559 Sample: 628855-007 / SMP Batch: Matrix: Soil

Units: mg/kg Date Analyzed: 07/05/19 17:36 SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	70-130	
4-Bromofluorobenzene	0.0326	0.0300	109	70-130	

Lab Batch #: 3094559 **Sample:** 628855-008 / SMP Batch: Matrix: Soil

Units:	mg/kg	Date Analyzed: 07/05/19 17:58	SURROGATE RECOVERY STUDY					
	ВТЕ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1,4-Difluor	robenzene		0.0288	0.0300	96	70-130		
4-Bromofluorobenzene			0.0337	0.0300	112	70-130		

Lab Batch #: 3094559 Sample: 628855-009 / SMP Batch: Matrix: Soil

Units:	mg/kg	Date Analyzed: 07/05/19 18:20	SURROGATE RECOVERY STUDY					
	ВТЕ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1,4-Difluorob	enzene	111111111111111111111111111111111111111	0.0288	0.0300	96	70-130		
4-Bromofluor	robenzene		0.0325	0.0300	108	70-130		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Caballo 23 TB

Work Orders: 628855,

Project ID:

Lab Batch #: 3094559 Matrix: Soil **Sample:** 628855-018 / SMP Batch: I Inita ... _ /1_ _ Data Amalamada 07/05/10 10:42

Units: mg/kg Date Analyzed: 07/05/19 18:42	SU	RROGATE RI	ECOVERY S	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0273	0.0300	91	70-130	
4-Bromofluorobenzene	0.0326	0.0300	109	70-130	

Lab Batch #: 3094559 Sample: 628855-019 / SMP Batch: 1 Matrix: Soil

Units: mg/kg Date Analyzed: 07/05/19 19:04 SURROGATE RECOVERY STUDY **Amount** True Control BTEX by EPA 8021B Found Limits Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 1,4-Difluorobenzene 0.0292 0.0300 97 70-130 4-Bromofluorobenzene 0.0359 0.0300 120 70-130

Lab Batch #: 3094559 Sample: 628855-023 / SMP Batch: Matrix: Soil

Units: mg/kg **Date Analyzed:** 07/05/19 19:26 SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	70-130	
4-Bromofluorobenzene	0.0339	0.0300	113	70-130	

Lab Batch #: 3094559 Sample: 628855-025 / SMP Batch: Matrix: Soil

Units:	mg/kg	Date Analyzed: 07/05/19 19:48	SURROGATE RECOVERY STUDY						
	ВТЕ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1,4-Difluoro	obenzene		0.0282	0.0300	94	70-130			
4-Bromoflu	orobenzene		0.0337	0.0300	112	70-130			

Lab Batch #: 3094559 **Sample:** 628855-026 / SMP Batch: Matrix: Soil

Units:	mg/kg	Date Analyzed: 07/05/19 21:23	SURROGATE RECOVERY STUDY					
	ВТЕ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1,4-Difluoro	benzene	Anaiyus	0.0278	0.0300	93	70-130		
4-Bromofluo	orobenzene		0.0297	0.0300	99	70-130		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Caballo 23 TB

Work Orders: 628855,

Sample: 628855-014 / SMP

Project ID:

Lab Batch #: 3094559 T T-- 24 -- ma/lea Date Analyzed: 07/05/19 21:45

Matrix: Soil Batch: 1

Units:	mg/kg	Date Analyzed: 07/05/19 21:45	SURROGATE RECOVERY STUDY					
	ВТЕ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
		Analytes			[D]			
1,4-Difluor	obenzene		0.0277	0.0300	92	70-130		
4-Bromoflu	iorobenzene		0.0360	0.0300	120	70-130		

Lab Batch #: 3094559 Sample: 628855-013 / SMP Batch: Matrix: Soil

Units: mg/kg Date Analyzed: 07/06/19 00:19 SURROGATE RECOVERY STUDY **Amount** True Control BTEX by EPA 8021B Found Limits Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 1,4-Difluorobenzene 0.0277 0.0300 92 70-130 4-Bromofluorobenzene 0.0357 0.0300 119 70-130

Lab Batch #: 3094559 Sample: 628855-022 / SMP Batch: Matrix: Soil

Units: mg/kg **Date Analyzed:** 07/06/19 00:41 SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0277	0.0300	92	70-130	
4-Bromofluorobenzene	0.0335	0.0300	112	70-130	

Lab Batch #: 3093877 Sample: 7680987-1-BLK / BLK Batch: Matrix: Solid

Units: Date Analyzed: 06/27/19 11:34 mg/kg SURROGATE RECOVERY STUDY Amount True Control TPH by SW8015 Mod Found Amount Recovery Limits **Flags** [B] %R %R [A] **Analytes** [D] 1-Chlorooctane 93 93.0 100 70-135 o-Terphenyl 50.0 77 70-135 38.3

Lab Batch #: 3094559 Sample: 7681346-1-BLK / BLK Batch: 1 Matrix: Solid

Units:	mg/kg	Date Analyzed: 07/05/19 16:08	SURROGATE RECOVERY STUDY				
	BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorob	enzene	Analytes	0.0281	0.0300	94	70-130	
4-Bromofluorobenzene			0.0298	0.0300	99	70-130	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Caballo 23 TB

Work Orders : 628855, **Lab Batch #:** 3093877

Sample: 7680987-1-BKS / BKS

Project ID:

SURROGATE RECOVERY STUDY

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/27/19 11:58

TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
Analytes			[D]				
1-Chlorooctane	81.2	100	81	70-135			
o-Terphenyl	36.1	50.0	72	70-135			

Lab Batch #: 3094559 Sample: 7681346-1-BKS / BKS Batch: 1 Matrix: Solid

Units:	mg/kg	Date Analyzed: 07/05/19 14:36	SU	RROGATE RI	ECOVERY S	STUDY	
	ВТЕ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1,4-Difluoro	obenzene		0.0283	0.0300	94	70-130	
4-Bromoflu	orobenzene		0.0330	0.0300	110	70-130	

Lab Batch #: 3093877 Sample: 7680987-1-BSD / BSD Batch: 1 Matrix: Solid

Units: mg/kg Date Analyzed: 06/27/19 12:23 SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.7	100	90	70-135	
o-Terphenyl	43.2	50.0	86	70-135	

Lab Batch #: 3093877 **Sample:** 628855-001 S / MS **Batch:** 1 **Matrix:** Soil

Units:	mg/kg	Date Analyzed: 06/27/19 13:13	SURROGATE RECOVERY STUDY					
	ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooc	tane		94.7	99.9	95	70-135		
o-Terpheny	<i>i</i> 1		55.6	50.0	111	70-135		

Units:	mg/kg	Date Analyzed: 07/05/19 14:58	SURROGATE RECOVERY STUDY					
	ВТЕ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1,4-Difluorol	benzene	1110119 000	0.0285	0.0300	95	70-130		
4-Bromofluo	orobenzene		0.0346	0.0300	115	70-130		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Caballo 23 TB

 Work Orders: 628855,
 Project ID:

 Lab Batch #: 3093877
 Sample: 628855-001 SD / MSD
 Batch: 1 Matrix: Soil

Units: Date Analyzed: 06/27/19 13:37 mg/kg SURROGATE RECOVERY STUDY Amount True Control TPH by SW8015 Mod Found Amount Limits Flags Recovery [A] [B] %R %R [D] **Analytes** 1-Chlorooctane 85.4 100 85 70-135 o-Terphenyl 50.0 78 70-135 38.9

Units: mg/kg Date Analyzed: 07/05/19 15:20	SU	RROGATE RI	ECOVERY S	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0365	0.0300	122	70-130	

Surrogate Recovery [D] = 100 * A / B

^{*} Surrogate outside of Laboratory QC limits

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Blank Spike Recovery

Project Name: Caballo 23 TB

Work Order #: 628855

Project ID:

Lab Batch #: 3094559

Sample: 7681346-1-BKS Matrix: Solid

Date Analyzed: 07/05/2019 **Date Prepared:** 07/01/2019

Analyst: AMB

Reporting Units: mg/kg

Batch #: 1 BLANK /BLANK SPIKE RECOVERY STUDY

BTEX by EPA 8021B	Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags			
Analytes	[A]	[B]	Result [C]	%R [D]	%R				
Benzene	< 0.000384	0.0998	0.0929	93	70-130				
Toluene	< 0.000455	0.0998	0.0900	90	70-130				
Ethylbenzene	< 0.000564	0.0998	0.0992	99	70-130				
m,p-Xylenes	< 0.00101	0.200	0.201	101	70-130				
o-Xylene	< 0.000344	0.0998	0.0973	97	70-130				



BS / BSD Recoveries



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Project Name: Caballo 23 TB

Work Order #: 628855

Project ID:

Analyst: CHE

Date Prepared: 06/26/2019

Date Analyzed: 06/26/2019

Lab Batch ID: 3093717

Sample: 7680864-1-BKS **Batch #:** 1 Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[2]	[0]	[2]	[12]	11050110 [2]	[6]				
Chloride	< 0.858	250	272	109	250	272	109	0	90-110	20	

CHE **Date Prepared:** 06/26/2019 **Date Analyzed:** 06/26/2019 **Analyst:**

Lab Batch ID: 3093719 **Batch #:** 1 Matrix: Solid **Sample:** 7680866-1-BKS

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 S Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	< 0.858	250	261	104	250	261	104	0	90-110	20	

Date Analyzed: 06/28/2019 Analyst: CHE **Date Prepared:** 06/28/2019

Lab Batch ID: 3093973 Sample: 7680927-1-BKS **Batch #:** 1 Matrix: Solid

Units: mg/kg BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	< 0.858	250	247	99	250	248	99	0	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Blank Spike Recovery [D] = 100*(C)/[B]Blank Spike Duplicate Recovery [G] = 100*(F)/[E]All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



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Project Name: Caballo 23 TB

Work Order #: 628855

Analyst: ARM

Date Prepared: 06/27/2019

Date Analyzed: 06/27/2019

Project ID:

Lab Batch ID: 3093877

Sample: 7680987-1-BKS **Batch #:** 1

Matrix: Solid

Units: mg/kg		BLAN	K /BLANK S	SPIKE / I	BLANK S	SPIKE DUP	LICATE RE	COVERY STUD	γ	
TDH by SWQ015 Mod	Rlank	Snike	Rlank	Rlank	Spile	Rlank	Rik Snk	Control	Control	i

TPH by SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	910	91	1000	1050	105	14	70-135	20	
Diesel Range Organics (DRO)	<8.13	1000	915	92	1000	1070	107	16	70-135	20	

Form 3 - MS / MSD Recoveries

Project Name: Caballo 23 TB

Work Order #: 628855

628855 3094559

QC- Sample ID: 628855-001 S

Batch #:

Matrix: Soil

Project ID:

Lab Batch ID: Date Analyzed:

07/05/2019

Date Prepared: 07/01/2019

Analyst: AMB

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000381	0.0990	0.0825	83	0.0992	0.0875	88	6	70-130	35	
Toluene	< 0.000451	0.0990	0.0795	80	0.0992	0.0842	85	6	70-130	35	
Ethylbenzene	< 0.000559	0.0990	0.0869	88	0.0992	0.0883	89	2	70-130	35	
m,p-Xylenes	< 0.00100	0.198	0.174	88	0.198	0.180	91	3	70-130	35	
o-Xylene	< 0.000341	0.0990	0.0817	83	0.0992	0.0862	87	5	70-130	35	

Lab Batch ID:

3093717

QC- Sample ID: 628956-009 S

Batch #:

Matrix: Soil

Date Analyzed:

06/26/2019

Date Prepared: 06/26/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	62.8	252	357	117	252	354	116	1	90-110	20	X

Lab Batch ID:

3093717

QC- Sample ID: 628956-019 S

Batch #:

Matrix: Soil

Date Analyzed:

06/26/2019

Date Prepared: 06/26/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300	Parent Sample Result	Spike	Spiked Sample Result	Sample	Spike	Duplicate Spiked Sample		RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Chloride	< 0.853	249	284	114	249	281	113	1	90-110	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*(C-F)/(C+F)| Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Form 3 - MS / MSD Recoveries

Project Name: Caballo 23 TB

Work Order #: 62885

628855 3093719

QC- Sample ID: 628855-008 S

Batch #:

Matrix: Soil

Project ID:

Lab Batch ID: Date Analyzed:

06/26/2019

Date Prepared: 06/26/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chlorido by EDA 200 Parent Spiked Sample Spiked Duplicate Spiked Control

Chloride by EPA 300	Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]		[D]	[E]		[G]				
Chloride	207	251	469	104	251	465	103	1	90-110	20	

Lab Batch ID: 3093719

Batch #:

Matrix: Soil

Date Analyzed: 06/26/2019

QC- Sample ID: 628855-016 S **Date Prepared:** 06/26/2019

Analyst: CHE

Reporting Units: mg/kg MATRIX	SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY
---	---

Chloride by EPA 300	Parent Sample	Spike	Spiked Sample Result	Sample	Spike	Duplicate Spiked Sample		RPD	Control Limits	Control Limits	Flag	
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD		
Chloride	348	250	598	100	250	598	100	0	90-110	20		l

Lab Batch ID:

3093973

QC- Sample ID: 629155-002 S

Batch #:

Matrix: Soil

Date Analyzed:

06/28/2019

Date Prepared: 06/28/2019

Analyst: CHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

1

Chloride by EPA 300	Parent Sample	Spike	Spiked Sample Result	Sample		Duplicate Spiked Sample	. 1	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Chloride	401	250	639	95	250	639	95	0	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*(C-F)/(C+F)| Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Page 75 of 498



Project Name: Caballo 23 TB

Work Order #: 628855

Project ID:

Lab Batch ID:

3093973

QC- Sample ID: 629155-011 S

Batch #:

Matrix: Soil

Date Analyzed:

06/28/2019

Date Prepared: 06/28/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	14.8	250	277	105	250	277	105	0	90-110	20	

Lab Batch ID: 3093877

QC- Sample ID: 628855-001 S

Batch #: 1

Matrix: Soil

Date Analyzed:

06/27/2019

Date Prepared: 06/27/2019

Analyst: ARM

ARM

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	9.00	999	1050	104	1000	968	96	8	70-135	20	
Diesel Range Organics (DRO)	9.93	999	1150	114	1000	1000	99	14	70-135	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Page 25 of 28

Final 1.000

Pag	Tetra Tech, Inc.		901W Wall Street, Ste 100 Midland, Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946			550019
	E () c)	Site Manager [(d) M	n Gonzales		ANALYSIS	
Project Name:	Caballo 23 TB				(Circle or specify	Method No.)
Project Location: (county, state)	LOQ NIM LEACO, NA	Project #: Pending	ng)
Invoice to:	O O1 - James Kenndy			RO)		ned list
Receiving Laboratory:	Yenco	Sampler Signature:	ony Legardy	RO - MI		attach
comments: Nun	un d'object it bonzano granta	(tran 10,	OD 1	8260B	Cd Cr P	DS stry (see
	7	SAMPLING	MATRIX PRESERVATIVE	BTEX	As Ba tiles i0B / 6	ate
LAB#	SAMPLE IDENTIFICATION	YEAR: 2019		D (Y/I 21B 005 (E 5M (G	als Ag tals Ag atiles mi Vola ol. 820 emi. V	estos) Sulf Vater
ONLY)		DATE	WATER SOIL HCL HNO ₃ CE None	FILTERE BTEX 80 PH TX	CLP We CLP We CLP Se CLP Se CLP Se CCI SC/MS V	CB's 80 IORM LM (Astabloride Chloride General Innion/Ca
	AH#S (3-3.5')	1/19	×	<	1 1 1 1 1 F	F (
	AH#6 (0-1)		X	トメメ		~
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			× ×	~ ~		× ×
-						
\prod						
Splinguished by:	Junder Date: Time: 14:35	Received by:	Date: Time:	LAB USE ONLY	USE REMARKS: STANDARD	DARD
linquished by:	Date: Time:	Received by:	Tim	Sample Temperature	perature RUSH: Same Day	me Day 24 hr 48 hr 72 hr
CD: 65/5/inquished by:	Date: Time:	Received by:	Date: Time:	4°C	ПП	Rush Charges Authorized Special Report Limits or TRRP Report
		OBIGINAL CORV		(Circle) HAN	HAND DELIVERED FEDEX UPS	Tracking #:



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 06/24/2019 02:35:00 PM

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

Work Order #: 628855

Analyst:

Temperature Measuring device used: T-NM-007

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

* Must	be completed	d for after-hour	s delivery o	f samples	prior to p	placing in th	e refrigerator

Checklist completed by:	Elizabeth McClellan	Date: <u>06/24/2019</u>	
Checklist reviewed by:	Jessica Vramer	Date: 06/27/2019	

Jessica Kramer

PH Device/Lot#:



October 14, 2019

JAMES KENNEDY
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO 23

Enclosed are the results of analyses for samples received by the laboratory on 10/11/19 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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/ga/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.

Wite Sough

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



Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/11/2019
Reported: 10/14/2019
Project Name: CABALLO 23

Project Name: CABALLO 23
Project Number: NONE GIVEN

Project Location:

Sampling Date: 10/11/2019

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BOTTOMHOLE-16 COMP 4.5' (H903464-01)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	10/14/2019	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	112 9	% 41-142)						
Surrogate: 1-Chlorooctadecane	113 9	% 37.6-14	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

 Received:
 10/11/2019
 Sampling Date:
 10/11/2019

 Reported:
 10/14/2019
 Sampling Type:
 Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: BE

Project Location:

RTFY 8021R

Sample ID: BOTTOMHOLE-17 COMP 4.5' (H903464-02)

ma/ka

BIEX 8021B	mg	/ kg	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	10/14/2019	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	111	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	110	% 37.6-14	7						

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10/11/2019

Soil

Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/11/2019 Sampling Date: Reported: Sampling Type: 10/14/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location:

Sample ID: BOTTOMHOLE-18 COMP 4.5' (H903464-03)

BTEX 8021B	mg/	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 5	% 73.3-12	9						
Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	110 9	% 41-142	1						
Surrogate: 1-Chlorooctadecane	112 9	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/11/2019 Sampling Date: 10/11/2019 Reported: Sampling Type: Soil 10/14/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location:

Sample ID: BOTTOMHOLE-19 COMP 4.5' (H903464-04)

BTEX 8021B	mg/	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
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	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	115 9	% 41-142							
Surrogate: 1-Chlorooctadecane	113 9	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/11/2019 Sampling Date: 10/11/2019 Reported: Sampling Type: Soil 10/14/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location:

Sample ID: BOTTOMHOLE-20 COMP 4.5' (H903464-05)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	< 0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	6 73.3-12	9						
Chloride, SM4500CI-B	Chloride, SM4500Cl-B mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	112 %	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	111 %	6 37.6-14	7						

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10/11/2019

Soil

Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/11/2019 Sampling Date: Reported: Sampling Type: 10/14/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location:

Sample ID: BOTTOMHOLE-21 COMP 4.5' (H903464-06)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.3-12	9						
Chloride, SM4500Cl-B	oride, 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	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	114 9	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	115 %	6 37.6-14	7						

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10/11/2019

Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/11/2019 Sampling Date:
Reported: 10/14/2019 Sampling Type:

Reported:10/14/2019Sampling Type:SoilProject Name:CABALLO 23Sampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi Henson

Project Location:

Sample ID: BOTTOMHOLE-22 COMP 4.5' (H903464-07)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	108	% 41-142	•						
Surrogate: 1-Chlorooctadecane	106	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Applyzod By: BE

Received: 10/11/2019 Reported: 10/14/2019

Project Name: CABALLO 23 Project Number:

NONE GIVEN

Sampling Date: 10/11/2019

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Project Location:

RTFY 8021R

Sample ID: SSW-1 COMP 4.5' (H903464-08)

BIEX 8021B	mg	/ kg	Anaiyze	ea By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	e, 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	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	103	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	102	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/11/2019 Reported:

10/14/2019 CABALLO 23

NONE GIVEN

Sampling Date: 10/11/2019

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Project Number: Project Location:

Project Name:

Sample ID: SSW-2 COMP 4.5' (H903464-09)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
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	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	114	% 41-142	•						
Surrogate: 1-Chlorooctadecane	112	% 37.6-14	7						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 10 of 21



Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Applyzod By: BE

Received: 10/11/2019 Reported: 10/14/2019

Project Name: CABALLO 23
Project Number: NONE GIVEN

Project Location:

RTFY 8021R

Sampling Date: 10/11/2019

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SSW-3 COMP 4.5' (H903464-10)

B1EX 8021B	mg/	кg	Anaiyze	а ву: вғ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-129	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	112 9	% 41-142							
Surrogate: 1-Chlorooctadecane	112 9	% 37.6-147	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Applyzod By: BE

Received: 10/11/2019 Reported: 10/14/2019

10/14/2019 CABALLO 23 NONE GIVEN Sampling Date:

10/11/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

Project Name:

RTFY 8021R

Sample ID: SSW-4 COMP 4.5' (H903464-11)

BIEX 8021B	mg/	кg	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	104	% 41-142	•						
Surrogate: 1-Chlorooctadecane	100	% 37.6-14	7						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/11/2019 Reported: 10/14/2019

Project Name: CABALLO 23 Project Number: NONE GIVEN

Project Location:

Sampling Date: 10/11/2019

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: SSW-5 COMP 4.5' (H903464-12)

BTEX 8021B	mg/kg		Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	< 0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/14/2019	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	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	108 9	6 41-142							
Surrogate: 1-Chlorooctadecane	109 9	6 37.6-14	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/11/2019 Reported: 10/14/2019

Project Name: CABALLO 23
Project Number: NONE GIVEN

Project Location:

Sampling Date: 10/11/2019

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WSW-1 COMP 4.5' (H903464-13)

,	Result	Reporting Limit	Analyzed	Method Blank	DC	a. =			
Benzene* <	<0.050			caioa biailik	BS	% Recovery	True Value QC	RPD	Qualifier
		0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8 9	6 73.3-129	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	273	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	109	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	104 %	6 41-142							
Surrogate: 1-Chlorooctadecane	122 %	6 37.6-147	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Analyzed By: BE

Received: 10/11/2019 Reported: 10/14/2019

Project Name: CABALLO 23
Project Number: NONE GIVEN

Project Location:

RTFY 8021R

Sampling Date: 10/11/2019

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ESW-1 COMP 4.5' (H903464-14)

B1EX 8021B	mg	/ kg	Anaiyze	ea By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	104	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	102	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/11/2019 Reported:

10/14/2019 CABALLO 23

NONE GIVEN

Sampling Date:

10/11/2019

Sampling Type:

Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Applyzod By: BE

Project Number: Project Location:

Project Name:

RTFY 8021R

Sample ID: ESW-2 COMP 4.5' (H903464-15)

Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD	BIEX 8021B	mg,	/ kg	Anaiyze	ea By: BF					
Toluene* < 0.050 0.050 10/12/2019 ND 1.82 90.8 2.00 2.70 Ethylbenzene* < 0.050 0.050 10/12/2019 ND 1.78 89.0 2.00 0.0991 Total Xylenes* < 0.150 0.150 10/12/2019 ND 5.37 89.5 6.00 0.901 Total BTEX < 0.300 0.300 10/12/2019 ND Surrogate: 4-Bromofluorobenzene (PID 99.5 % 73.3-129 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 32.0 16.0 10/14/2019 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* < 10.0 10.0 10/11/2019 ND 215 108 200 2.555 DRO >C10-C28* < 10.0 10.0 10/11/2019 ND 211 106 200 1.24 EXT DRO >C28-C36 < 10.0 10.0 10/11/2019 ND Surrogate: 1-Chlorooctane 84.3 % 41-142	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* <0.050 0.050 10/12/2019 ND 1.78 89.0 2.00 0.0991 Total Xylenes* <0.150 0.150 10/12/2019 ND 5.37 89.5 6.00 0.901 Total BTEX <0.300 0.300 10/12/2019 ND Surrogate: 4-Bromofluorobenzene (PID 99.5 % 73.3-129 Chloride, SM4500Cl-B mg/ks Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD Chloride 32.0 16.0 10/14/2019 ND 432 108 400 0.00 TH 8015M mg/ks Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 10/11/2019 ND 215 108 200 2.55 DRO >C10-C28* <10.0 10.0 10/11/2019 ND 215 106 200 1.24 EXT DRO >C28-C36 <10.0 10.0 10/11/2019 ND Surrogate: 1-Chlorooctane 84.3 % 41-142	Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Total Xylenes* <0.150 0.150 10/12/2019 ND 5.37 89.5 6.00 0.901 Total BTEX <0.300	Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Total BTEX <0.300 0.300 10/12/2019 ND Surrogate: 4-Bromofluorobenzene (PID 99.5 % 73.3-129 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Analyte Result Reporting Limit Analyzed By: AC Chloride 32.0 16.0 10/14/2019 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Surrogate: 4-Bromofluorobenzene (PID 99.5 % 73.3-129 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 32.0 16.0 10/14/2019 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 GRO C6-C10* <10.0	Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 32.0 16.0 10/14/2019 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Total BTEX	<0.300	0.300	10/12/2019	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 32.0 16.0 10/14/2019 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 GRO C6-C10* <10.0 10.0 10/11/2019 ND 215 108 200 2.55 DRO >C10-C28* <10.0 10.0 10/11/2019 ND 211 106 200 1.24 EXT DRO >C28-C36 <10.0 10.0 10/11/2019 ND Surrogate: 1-Chlorooctane 84.3 % 41-142	Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride 32.0 16.0 10/14/2019 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 10/11/2019 ND 215 108 200 2.55 DRO >C10-C28* <10.0 10.0 10/11/2019 ND 211 106 200 1.24 EXT DRO >C28-C36 <10.0 10.0 10/11/2019 ND Surrogate: 1-Chlorooctane 84.3 % 41-142	Chloride	32.0	16.0	10/14/2019	ND	432	108	400	0.00	
GRO C6-C10* <10.0 10.0 10/11/2019 ND 215 108 200 2.55 DRO >C10-C28* <10.0 10.0 10/11/2019 ND 211 106 200 1.24 EXT DRO >C28-C36 <10.0 10.0 10/11/2019 ND Surrogate: 1-Chlorooctane 84.3 % 41-142	TPH 8015M	mg,	/kg	Analyze	ed By: MS					
DRO >C10-C28* < 10.0 10.0 10/11/2019 ND 211 106 200 1.24 EXT DRO >C28-C36 <10.0 10.0 10/11/2019 ND Surrogate: 1-Chlorooctane 84.3 % 41-142	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 10/11/2019 ND Surrogate: 1-Chlorooctane 84.3 % 41-142	GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
Surrogate: 1-Chlorooctane 84.3 % 41-142	DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
	EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctadecane 82.6 % 37.6-147	Surrogate: 1-Chlorooctane	84.3	% 41-142	ı						
	Surrogate: 1-Chlorooctadecane	82.6	% 37.6-14	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Analyzed By: BF

Received: 10/11/2019 Reported: 10/14/2019

10/14/2019 CABALLO 23 NONE GIVEN

ma/ka

4/2019 NLLO 23 Sampling Date: 10/11/2019

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By: Jodi Henson

Project Number: Project Location:

Project Name:

BTEX 8021B

Sample ID: NSW-4 COMP 4.5' (H903464-16)

BIEX 8021B	mg/	кg	Anaiyze	а ву: вг					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	116	% 41-142							
Surrogate: 1-Chlorooctadecane	115	% 37.6-14	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/11/2019 Reported: 10/14/2019

10/14/2019 CABALLO 23 NONE GIVEN

Analyzed By: BE

Sampling Date: 10/11/2019 Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Project Number: Project Location:

Project Name:

RTFY 8021R

Sample ID: NSW-5 COMP 4.5' (H903464-17)

BIEX 8021B	mg	/кд	Anaiyze	ea By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2019	ND	1.72	85.9	2.00	2.40	
Toluene*	<0.050	0.050	10/12/2019	ND	1.82	90.8	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/12/2019	ND	1.78	89.0	2.00	0.0991	
Total Xylenes*	<0.150	0.150	10/12/2019	ND	5.37	89.5	6.00	0.901	
Total BTEX	<0.300	0.300	10/12/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2019	ND	215	108	200	2.55	
DRO >C10-C28*	<10.0	10.0	10/11/2019	ND	211	106	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/11/2019	ND					
Surrogate: 1-Chlorooctane	110	% 41-142							
Surrogate: 1-Chlorooctadecane	111	% 37.6-14	7						

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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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Mile Sough

Tetra Tech, Inc. Constitute Control Con	ived by $oldsymbol{arrho}$	CD: Relinquished by:	elinquished by:	Relinquished by:	68	Q.	8	4	50	.c.	4	C	,		(LABUSE)	Hans (AbH		Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	Pag	Analysis Request o
TIME WATER WATER WATER WATER WATER WALVSIS REQUEST ONLY Date: Time: Devin Dominguez ANALYSIS REQUEST ONLY Date: Time: ANALYSIS REQUEST ONLY ANALYSIS REQUEST O				Date: Time	SSW-3 Comp 4.5'	SSW-2 Comp 4.5'	SSW-1 Comp 4.5'	Bottomhole-22 Comp 4.5'	Bottomhole-21 Comp 4.5'	Bottomhole-20 Comp 4.5'	Bottomhole-19 Comp 4.5'	Bottomhole-18 Comp 4.5'	Bottomhole-17 Comp 4.5'	Bottomhole-16 Comp 4.5'		SAMPLE IDENTIFICATION			Cardinal Laboratory	James Kennedy	Lea County, New Mexico	Caballo 23	EOG	Tetra Tech, Inc.	of Chain of Custody Record
Mile Carmona Mile	ORIGINAL CO	Received by:	Redeived by:		10/11/2019	10/11/2019	10/11/2019	10/11/2019	10/11/2019	10/11/2019	10/11/2019	10/11/2019	10/11/2019	10/11/2019		YEAR: 2019	SAMPLING		Sampler Signature:		Project#:		Site Manager:		
ANALYSIS REQUEST ANALYSIS RECOURS ANALYSIS RECOURS	PΥ	Da	Da	Menson		×	×	×	×	×	×	×	×	×	WATEF SOIL	₹	MATRIX		Devin D				Mike Carm	900 West Wa Midland, Tel (433 Fax (43)	
ANALYSIS REQUEST ANALYSIS REQUEST			Tim	Tim	×	×	×	×	×	×	×	×	×	×	HNO ₃		PRESERVATIVE METHOD	40	ominguez				ona	all Street, Ste 100 Texas 79701 2) 682-4559 2) 682-3946	
ANALYSIS REQUEST ANALYSIS REQUEST ONLY Sample Temperature Samp				2	_	_	_	1	1	1	1	1	1	-	-			-							
ANALYSIS REQUEST TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) NORM PLM (Asbestos) X X X X X X X X X X X X X X Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R	(c)	11 21-	Sa	, in the	-	_	_					_	_	_				EX 8260	В	<u></u>	<u>L</u> _	<u>_</u>	-		
ANALYSIS REQUEST TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) NORM PLM (Asbestos) X X X X X X X X X X X X X X Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R		100	mple Ter	LAB										×	TPH 80	15M (ORO -	MRO)					
ANALYSIS REQUEST TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) X X X X X X X X X X X X X X X Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R	ND DEI	1606	nperatur	USE	F		F								Total Me	etals A	_						(Circ		
Page RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) NORM PLM (Asbestos) X X X X X X X X X X X Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R	NERED				2										TCLP V	olatile	s		r Pb Se	e Hg			le or		
Page Tacking # Page GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) X X X X X X X X X X Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R		Spe	X	I ∐ MARK											RCI								Spe		
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			2 hr	F		-	7	+	+	+	+	#	#	+								_			1 of

Tetra Tech, Inc. Additional Control Name Contr	## Carmona Caballo 23 France County, New Mexico Cardina Laboratory Cardina Laboratory Cardina Laboratory
Mike Carmona	TIME
Mike Carmona	Name
ANALYSIS REQUEST CCircle or Specify Method No.) ANALYSIS REQUEST	
ANALYSIS REQUEST CCircle or Specify Method No.) ANALYSIS REQUEST	
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ANALYSIS REQUEST ANALYSIS REQUEST Sample Temperature Special Report Limits or TRRP Report Li	X
ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST TPH TX1005 (Ext to C35) TPH TX1005 (Ext to C35) Circle or Specify Method (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 RCI RUSH: Same Day 24 hr 48 hr Report Limits or TRRP Report Limits o	TPH TX1005 (Ext to C35) X
ANALYSIS REQUEST Or Specify Method No.) REMARKS: RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) NORM PLM (Asbestos) Anion/Cation Balance TRRP Report Limits or TRRP Report TRPP Report	PAH 8270C Circle 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 RCl GC/MS Semi. Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) CICLP Semi Vol. 8270C Circle CICLP Semi Vol. 8270C/625 CICLP Semi Vol.
ANALYSIS REQUEST Or Specify Method No.) REMARKS: RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) NORM PLM (Asbestos) Anion/Cation Balance TRRP Report Limits or TRRP Report TRPP Report	TCLP Wolatiles
Specify Method No.) RUSH: Same Day 24 hr 48 hr REDEX UPS Tracking #: REDEX UPS Tracking #: Special Report Limits or TRRP Report Limits Limit	GC/MS Semi. Vol. 8270C/625
TANDARD TAN	GC/MS Semi. Vol. 8270C/625 Ty Method PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Sulfate TDS General Water Chemistry (see attached list) To Semi control Chloride Chloride
TANDARD TAN	GC/MS Semi. Vol. 8270C/625
General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R	X X X X X X X Chloride Chloride Sulfate TDS General Water Chemistry (see attached list)
General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R	X X X X X X X Chloride Chloride Sulfate TDS General Water Chemistry (see attached list)
General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R	Chloride Sulfate TDS General Water Chemistry (see attached list)
Anion/Cation Balance TPH 8015R	
72 TPH 8015R	
	TPH 8015R



October 15, 2019

JAMES KENNEDY
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO 23

Enclosed are the results of analyses for samples received by the laboratory on 10/14/19 13:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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/ga/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)

Celey D. Keine

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



Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

 Received:
 10/14/2019
 Sampling Date:
 10/14/2019

 Reported:
 10/15/2019
 Sampling Type:
 Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Tamara Oldaker
Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-1 COMP 4.5' (H903484-01)

BTEX 8021B	mg/	'kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/14/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/14/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/14/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/14/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/15/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/14/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/14/2019	ND					
Surrogate: 1-Chlorooctane	109 9	% 41-142	•						
Surrogate: 1-Chlorooctadecane	114 9	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-2 COMP 4.5' (H903484-02)

BTEX 8021B	mg/kg		Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/14/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/14/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/14/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/14/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/15/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/14/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/14/2019	ND					
Surrogate: 1-Chlorooctane	110 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	113 9	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: 10/15/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: BF

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: BOTTOMHOLE-3 COMP 4.5' (H903484-03)

BTEX 8021B

	<u> </u>	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/14/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/14/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/14/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/14/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	10/15/2019	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/14/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/14/2019	ND					
Surrogate: 1-Chlorooctane	116	% 41-142	!						
Surrogate: 1-Chlorooctadecane	120	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-4 COMP 4.5' (H903484-04)

BTEX 8021B	mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/14/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/14/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/14/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/14/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	10/15/2019	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	10/14/2019	ND	212	106	200	1.45	
DRO >C10-C28*	104	10.0	10/14/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	37.1	10.0	10/14/2019	ND					
Surrogate: 1-Chlorooctane	111 9	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	126	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-5 COMP 4.5' (H903484-05)

BTEX 8021B	mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/14/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/14/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/14/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/14/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5 9	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	10/15/2019	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	10/14/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/14/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/14/2019	ND					
Surrogate: 1-Chlorooctane	110 %	6 41-142							
Surrogate: 1-Chlorooctadecane	110 %	37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-6 COMP 4.5' (H903484-06)

BTEX 8021B	mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/14/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/14/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	< 0.150	0.150	10/14/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/14/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 73.3-12	9						
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	10/15/2019	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	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	113 %	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	113 %	6 37.6-14	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: 10/15/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-7 COMP 4.5' (H903484-07)

BTEX 8021B	mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	10/15/2019	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	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	119	% 41-142	,						
Surrogate: 1-Chlorooctadecane	122	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET , STE $100\,$ MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-8 COMP 4.5' (H903484-08)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	10/15/2019	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	116	% 41-142	•						
Surrogate: 1-Chlorooctadecane	117	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-9 COMP 4.5' (H903484-09)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	10/15/2019	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	63.1	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	13.5	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	108	% 41-142	?						
Surrogate: 1-Chlorooctadecane	115	% 37.6-14	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: 10/15/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: BF

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: BOTTOMHOLE-10 COMP 4.5' (H903484-10)

BTEX 8021B

	<u> </u>	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/15/2019	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	108	% 41-142	,						
Surrogate: 1-Chlorooctadecane	108	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Applyzod By: BE

Project Location: EOG-LEA COUNTY, NM

ma/ka

Sample ID: BOTTOMHOLE-11 COMP 4.5' (H903484-11)

RTFY 8021R

B1EX 8021B	mg,	rky	Allalyze	а ву: вғ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-129	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/15/2019	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	96.3	% 41-142							
Surrogate: 1-Chlorooctadecane	112 9	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-12 COMP 4.5' (H903484-12)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	< 0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/15/2019	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	114 %	6 41-142	1						
Surrogate: 1-Chlorooctadecane	117 9	6 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-13 COMP 4.5' (H903484-13)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	< 0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	< 0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/15/2019	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	117 %	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	121 9	37.6-14	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: 10/15/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-14 COMP 4.5' (H903484-14)

BTEX 8021B	mg	/kg	Analyze	ed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/15/2019	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	114	% 41-142	?						
Surrogate: 1-Chlorooctadecane	115	% 37.6-14	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: 10/15/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-15 COMP 4.5' (H903484-15)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/15/2019	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	112	% 41-142	•						
Surrogate: 1-Chlorooctadecane	114	% 37.6-14	7						

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Analytical Results For:

TETRA TECH
JAMES KENNEDY
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Analyzed By: BE

 Received:
 10/14/2019
 Sampling Date:
 10/14/2019

 Reported:
 10/15/2019
 Sampling Type:
 Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: NSW-1 COMP 4.5' (H903484-16)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2019	ND	2.04	102	2.00	2.89	
Toluene*	<0.050	0.050	10/15/2019	ND	2.14	107	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/15/2019	ND	2.07	104	2.00	2.57	
Total Xylenes*	<0.150	0.150	10/15/2019	ND	6.23	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/15/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.3-129	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/15/2019	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	111	% 41-142							
Surrogate: 1-Chlorooctadecane	112	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: NSW-2 COMP 4.5' (H903484-17)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2019	ND	1.91	95.5	2.00	1.84	
Toluene*	< 0.050	0.050	10/14/2019	ND	1.95	97.7	2.00	2.67	
Ethylbenzene*	<0.050	0.050	10/14/2019	ND	1.94	97.1	2.00	2.36	
Total Xylenes*	<0.150	0.150	10/14/2019	ND	5.84	97.3	6.00	2.20	
Total BTEX	<0.300	0.300	10/14/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/15/2019	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	114 %	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	118 %	% 37.6-14	7						

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Analytical Results For:

TETRA TECH JAMES KENNEDY 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/14/2019 Sampling Date: 10/14/2019

Reported: Sampling Type: Soil 10/15/2019

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: NSW-3 COMP 4.5' (H903484-18)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2019	ND	1.91	95.5	2.00	1.84	
Toluene*	<0.050	0.050	10/14/2019	ND	1.95	97.7	2.00	2.67	
Ethylbenzene*	<0.050	0.050	10/14/2019	ND	1.94	97.1	2.00	2.36	
Total Xylenes*	<0.150	0.150	10/14/2019	ND	5.84	97.3	6.00	2.20	
Total BTEX	<0.300	0.300	10/14/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/15/2019	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2019	ND	212	106	200	1.45	
DRO >C10-C28*	<10.0	10.0	10/15/2019	ND	214	107	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	10/15/2019	ND					
Surrogate: 1-Chlorooctane	112 9	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	114 9	6 37.6-14	7						

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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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Capacitation of Custody Record

Page Analysis Request of Chain of Custody Record Received by OCD: 6/15/2022 5:17:58 PM Project Location: (county, state) Relinquished by Project Name: Client Name: Relinquished by Comments: Receiving Laboratory: nvoice to: Relinquished by SHEGIST LAB USE LAB# ᆏ W EOG Cardinal Laboratory Caballo 23 Lea County, New Mexico James Kennedy Tetra Tech, Inc. Bottomhole-6 Comp 4.5' Bottomhole-3 Comp 4.5' Bottomhole-10 Comp 4.5' Bottomhole-9 Comp 4.5' Bottomhole-8 Comp 4.5' Bottomhole-7 Comp 4.5' Bottomhole-5 Comp 4.5' Bottomhole-4 Comp 4.5' Bottomhole-2 Comp 4.5' Bottomhole-1 Comp 4.5' SAMPLE IDENTIFICATION ŏ T Date: Date: Time: Time: Site Manager: Sampler Signature: Project #: ORIGINAL COPY Received by Received by 10/14/2019 10/14/2019 10/14/2019 10/14/2019 10/14/2019 10/14/2019 10/14/2019 10/14/2019 10/14/2019 10/14/2019 EAR: 2019 DATE SAMPLING TIME Mike Carmona WATER MATRIX 900 West Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 SOIL × Devin Dominguez × × × × × × × × × Date: HCL PRESERVATIVE METHOD HNO₃ ICE × × × × × × \times × × Time: None # CONTAINERS Z Z Z Z Z Z Z Z Z FILTERED (Y/N) Z BTEX 8021B BTEX 8260B × × × × × × × × (Circle) HAND DELIVERED TPH TX1005 (Ext to C35) ONLY AB USE TPH 8015M (GRO - DRO - ORO - MRO) 4.30 × × × × × × × × × PAH 8270C Circle or Specify Method Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles ANALYSIS REQUEST REMARKS: TCLP Semi Volatiles X RUSH: Same Day Rush Charges Authorized FEDEX UPS Special Report Limits or TRRP Repor RCI STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) 24 hr Chloride × × × × × × × × Sulfate TDS Chloride General Water Chemistry (see attached list) 48 hr 72 hr Anion/Cation Balance TPH 8015R 으 Hold Released to Imaging: 6/29/2022 3:01:36 PA

Received by OCD 6/15/2022 5:17:58 PM Page 122 of 498 Project Location: (county, state) Analysis Request of Chain of Custody Record Comments: Receiving Laboratory: Client Name: nvoice to: Project Name: ONLY 片 S 00 4 EOG Cardinal Laboratory Lea County, New Mexico James Kennedy Caballo 23 Tetra Tech, Inc. Bottomhole-15 Comp 4.5' Bottomhole-13 Comp 4.5' Bottomhole-14 Comp 4.5' Bottomhole-12 Comp 4.5 Bottomhole-11 Comp 4.5 SAMPLE IDENTIFICATION NSW-3 Comp 4.5 NSW-1 Comp 4.5' NSW-2 Comp 4.5' 10/14/19 Date: Date: Date: Time: Time: ORIGINAL COPY Received by: Received by Received by Site Manager: 10/14/2019 10/14/2019 Sampler Signature: Project #: 10/14/2019 10/14/2019 10/14/2019 10/14/2019 10/14/2019 10/14/2019 DATE SAMPLING TIME WATER Mike Carmona MATRIX 900 West Wall Street, Ste 1 Midland,Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 × × × × × SOIL × × × Devin Dominguez Date: Date: HCL PRESERVATIVE METHOD HNO₃ Time: × × × × × × ICE None # CONTAINERS Z Z Z Z Z Z Z Z FILTERED (Y/N) (Circle) HAND DELIVERED BTEX 8260B × × BTEX 8021B LAB USE TPH TX1005 (Ext to C35) 4.30 × × × × × × TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Circle or Specify Method No Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg REMARKS:

STANDARD TCLP Volatiles ANALYSIS REQUEST X RUSH: Same Day 24 hr TCLP Semi Volatiles FEDEX UPS Special Report Limits or TRRP Report Rush Charges Authorized RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) × × × × × \times × Chloride Sulfate TDS 48 hr 72 hr General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R 2 of Hold Released to Imaging: 6/29/2022 3:01:36 PM

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November 06, 2019

MIKE CARMONA
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO 23

Enclosed are the results of analyses for samples received by the laboratory on 11/05/19 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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/ga/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.

Celey D. Keine

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



Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

 Received:
 11/05/2019
 Sampling Date:
 11/05/2019

 Reported:
 11/06/2019
 Sampling Type:
 Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applymed By MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-23 COMP 1.5' (H903762-01)

DTEV 0021D

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	76.5	% 73.3-12	9						
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	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	102 5	% 41-142)						
Surrogate: 1-Chlorooctadecane	108 9	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene



Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STRE

 $901~\mbox{WEST}$ WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

ma/ka

Sample ID: BOTTOMHOLE-24 COMP 1.5' (H903762-02)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	109	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	28.1	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	109	% 41-142							
Surrogate: 1-Chlorooctadecane	127	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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Celeg & Frence



Analytical Results For:

TETRA TECH MIKE CARMONA

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-25 COMP 1.5' (H903762-03)

BTEX 8021B	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	779	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	415	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	105	% 41-142	?						
Surrogate: 1-Chlorooctadecane	138	% 37.6-14	7						

Surrogate: 1-Chlorooctadecane

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Celeg D. Keene



Analytical Results For:

TETRA TECH
MIKE CARMONA

901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil Project Name: CABALLO 23 Sampling Condition: Coo

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-26 COMP 1.5' (H903762-04)

mg/kg

BTEX 8021B

DIEX COLLD	9/	~ 9	Allalyzo	u 27. 1.13					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	2590	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	1080	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	104 %	% 41-142	·						

Surrogate: 1-Chlorooctadecane 190 % 37.6-147

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Celey D. Keine



Tamara Oldaker

Sample Received By:

Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil
Project Name: CABALLO 23 Sampling Condition: Cool & Intact

Project Location: EOG-LEA COUNTY, NM

NONE GIVEN

Sample ID: BOTTOMHOLE-27 COMP 1.5' (H903762-05)

Project Number:

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.4	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	214	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	86.6	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	109	% 41-142	?						
Surrogate: 1-Chlorooctadecane	133	% 37.6-14	7						

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Celey D. Keene



Analytical Results For:

TETRA TECH
MIKE CARMONA

 $901\ \text{WEST}\ \text{WALL}\ \text{STREET}$, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: BOTTOMHOLE-28 COMP 1.5' (H903762-06)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.0 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	3870	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	1470	10.0	11/06/2019	ND					
Common de la Chileman de ma	72.07	2/ 41.142							

Surrogate: 1-Chlorooctane 72.8 % 41-142
Surrogate: 1-Chlorooctadecane 183 % 37.6-147

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Celey D. Keene



Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-29 COMP 1.5' (H903762-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	534	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	318	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	101 9	% 41-142	?						

Surrogate: 1-Chlorooctadecane 140 % 37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-30 COMP 1.5' (H903762-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 73.3-12	9						
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	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	948	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	343	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	99.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	136	% 37.6-14	7						

Surrogate: 1-Chlorooctadecane

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Celeg D. Keene



Analytical Results For:

TETRA TECH MIKE CARMONA

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-31 COMP 1.5' (H903762-09)

mg/kg

BTEX 8021B

DIEX COLLE	9/	<u>"9</u>	Allalyzo	.u 5 y					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	2310	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	996	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	104 9	% 41-142	<u> </u>						

Surrogate: 1-Chlorooctane 104 % 41-142
Surrogate: 1-Chlorooctadecane 176 % 37.6-147

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Celey D. Keene



Analytical Results For:

TETRA TECH MIKE CARMONA

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: BOTTOMHOLE-32 COMP 1.5' (H903762-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	3150	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	1300	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	100 9	% 41-142							

Surrogate: 1-Chlorooctadecane 181 % 37.6-147

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Celeg D. Keine



Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STRE

 $901~\mbox{WEST}$ WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

ma/ka

Sample ID: BOTTOMHOLE-33 COMP 1.5' (H903762-11)

BTEX 8021B

Benzene* <0.050	BIEX 8UZIB	mg/	кд	Anaiyze	а ву: мэ					
Toluene* <0.050 0.050 11/05/2019 ND 1.79 89.3 2.00 2.55 Ethylbenzene* <0.050 0.050 11/05/2019 ND 1.81 90.5 2.00 0.667 Total Xylenes* <0.150 0.150 11/05/2019 ND 5.48 91.3 6.00 1.42 Total BTEX <0.300 0.300 11/05/2019 ND Surrogate: 4-Bromofluorobenzene (PID 91.6 % 73.3-129 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu Chloride 4400 16.0 11/06/2019 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: CK S-04 Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu GRO C6-C10* <10.0 10.0 11/06/2019 ND 210 105 200 1.75 DRO >C10-C28* 1820 10.0 11/06/2019 ND 211 106 200 0.788 EXT DRO >C28-C36 666 10.0 11/06/2019 ND	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* < 0.050	Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Total Xylenes* <0.150	Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Total BTEX < 0.300 0.300 11/05/2019 ND Surrogate: 4-Bromofluorobenzene (PID 91.6 % 73.3-129 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qt Chloride 4400 16.0 11/06/2019 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: CK S-04 Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qt GRO C6-C10* < 10.0 10.0 11/06/2019 ND 210 105 200 1.75 DRO >C10-C28* 1820 10.0 11/06/2019 ND 211 106 200 0.788 EXT DRO >C28-C36 666 10.0 11/06/2019 ND	Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Surrogate: 4-Bromofluorobenzene (PID 91.6 % 73.3-129 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu Chloride 4400 16.0 11/06/2019 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: CK S-04 Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu GRO C6-C10* <10.0	Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu Chloride 4400 16.0 11/06/2019 ND 432 108 400 0.00 TPH 8015M Mg/kg Analyzed By: CK S-04 S-04 <td< td=""><td>Total BTEX</td><td><0.300</td><td>0.300</td><td>11/05/2019</td><td>ND</td><td></td><td></td><td></td><td></td><td></td></td<>	Total BTEX	<0.300	0.300	11/05/2019	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu Chloride 4400 16.0 11/06/2019 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: CK S-04 Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu GRO C6-C10* <10.0 10.0 11/06/2019 ND 210 105 200 1.75 DRO >C10-C28* 1820 10.0 11/06/2019 ND 211 106 200 0.788 EXT DRO >C28-C36 666 10.0 11/06/2019 ND	Surrogate: 4-Bromofluorobenzene (PID	91.6	% 73.3-12	9						
Chloride 4400 16.0 11/06/2019 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: CK S-04 Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
TPH 8015M mg/kg Analyzed By: CK S-04 Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qu GRO C6-C10* <10.0 10.0 11/06/2019 ND 210 105 200 1.75 DRO >C10-C28* 1820 10.0 11/06/2019 ND 211 106 200 0.788 EXT DRO >C28-C36 666 10.0 11/06/2019 ND	Chloride	4400	16.0	11/06/2019	ND	432	108	400	0.00	
GRO C6-C10* <10.0 10.0 11/06/2019 ND 210 105 200 1.75 DRO >C10-C28* 1820 10.0 11/06/2019 ND 211 106 200 0.788 EXT DRO >C28-C36 666 10.0 11/06/2019 ND	TPH 8015M	mg/	'kg	Analyze	d By: CK					S-04
DRO >C10-C28* 1820 10.0 11/06/2019 ND 211 106 200 0.788 EXT DRO >C28-C36 666 10.0 11/06/2019 ND	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 666 10.0 11/06/2019 ND	GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
	DRO >C10-C28*	1820	10.0	11/06/2019	ND	211	106	200	0.788	
Surrogate: 1-Chlorooctane 104 % 41-142	EXT DRO >C28-C36	666	10.0	11/06/2019	ND					
	Surrogate: 1-Chlorooctane	104 9	% 41-142	?						

Surrogate: 1-Chlorooctadecane 160 % 37.6-147

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Celey D. Kreine



Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG-LEA COUNTY, NM

ma/ka

Sample ID: NSW-6 COMP 1.5' (H903762-12)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	113	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	51.1	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	102	% 41-142	,						
Surrogate: 1-Chlorooctadecane	120	% 37.6-14	7						

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Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: WSW-2 COMP 1.5' (H903762-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	11/06/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	4140	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	1400	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	93.9	% 41-142	?						
Surrogata: 1 Chlorocetadaeana	211 0	Z 376.14	7						

211 % Surrogate: 1-Chlorooctadecane 37.6-147

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Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: ESW-3 COMP 1.5' (H903762-14)

RTFY 8021R

BIEX 8021B	mg/	кд	Analyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/05/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/05/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/05/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	75.4 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	11/06/2019	ND	432	108	400	3.77	QM-07
TPH 8015M	mg/kg		Analyzed By: CK					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	2340	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	896	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	100 %	6 41-142	!						

Surrogate: 1-Chlorooctadecane 167 % 37.6-147

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Celey D. Keine



Analytical Results For:

TETRA TECH MIKE CARMONA 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 11/05/2019 Sampling Date: 11/05/2019

Reported: 11/06/2019 Sampling Type: Soil

Project Name: CABALLO 23 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: EOG-LEA COUNTY, NM

Sample ID: SSW-6 COMP 1.5' (H903762-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	2.00	100	2.00	2.64	
Toluene*	<0.050	0.050	11/06/2019	ND	1.79	89.3	2.00	2.55	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.81	90.5	2.00	0.667	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.48	91.3	6.00	1.42	
Total BTEX	<0.300	0.300	11/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.5	% 73.3-12	19						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	11/06/2019	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.75	
DRO >C10-C28*	321	10.0	11/06/2019	ND	211	106	200	0.788	
EXT DRO >C28-C36	145	10.0	11/06/2019	ND					
Surrogate: 1-Chlorooctane	104 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	136 9	% 37.6-14	17						

Surrogate: 1-Chlorooctadecane 136 % 37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

ecovery.

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

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Received by OCD: 6/15/2022 5:17:58 PM Page 141 of 498 Relinquished by Relinquished by: Relinquished by: Analysis Request of Chain of Custody Record Receiving Laboratory: (county, state) Project Location: Comments: Project Name: Client Name: Page 19 of 19 ONLY ONLY 4 ·A 4 2 N EOG Cardinal Lab James Kennedy Caballo 23 Lea County, New Mexico Tetra Tech, Inc. Bottomhole-33 Comp 1.5 SAMPLE IDENTIFICATION WSW-2 Comp 1.5' SSW-6 Comp 1.5' ESW-3 Comp 1.5' NSW-6 Comp 1.5' Date: Date: Date: Time: Time: ORIGINAL COPY Received by: Received by Sampler Signature: Site Manager: Project #: 11/5/2019 11/5/2019 11/5/2019 11/5/2019 11/5/2019 EAR: 2019 DATE SAMPLING TIME WATER Mike Carmona MATRIX 900 West Wall Street, Ste 1 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 × × × × × SOIL Devin Dominguez Date: HCL PRESERVATIVE METHOD HNO₃ ICE Time: \times × × \times None 100 # CONTAINERS Z Z Z Z Z FILTERED (Y/N) BTEX 8021B BTEX 8260B (Circle) HAND DELIVERED × ONLY TPH TX1005 (Ext to C35) S. W. TPH 8015M (GRO - DRO - ORO - MRO) × × × × PAH 8270C Circle or Specify Method Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles ANALYSIS REQUEST X RUSH: Same Day 24 hr 48 hr 72 hr TCLP Semi Volatiles FEDEX UPS Special Report Limits or TRRP Report Rush Charges Authorized RCI STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) × × × Chloride TDS Chloride Sulfate General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R 2 of. Hold Released to Imaging: 6/29/2022 3:01:36 PA



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-2941-1

Laboratory Sample Delivery Group: Lea County, NM

Client Project/Site: Caballo Section 23 TB

For:

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

Attn: Clair Gonzales

MEAMER

Authorized for release by: 6/15/2021 4:10:30 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

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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.

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Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Laboratory Job ID: 880-2941-1

SDG: Lea County, NM

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Definitions/Glossary

Job ID: 880-2941-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB SDG: Lea County, NM

Qualifiers

GC VOA	
Qualifier	Qualifier Description

F1 MS and/or MSD recovery exceeds control limits. F2 MS/MSD RPD exceeds control limits S1-Surrogate recovery exceeds control limits, low biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualitier	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. Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

DLC

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				

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)

Decision Level Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present **PQL** Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RFR Relative Error Ratio (Radiochemistry)

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)

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TNTC Too Numerous To Count

Eurofins Xenco, Midland

Case Narrative

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Job ID: 880-2941-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-2941-1

Receipt

The samples were received on 6/10/2021 12:09 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 4.6°C

GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: AH-6 (1'-1.5') (880-2941-27). The sample(s) shows evidence of matrix interference.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-3975 and analytical batch 880-3977 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

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

HPLC/IC

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

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Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1

SDG: Lea County, NM

Lab Sample ID: 880-2941-1

Matrix: Solid

Client Sample ID: H-1 (0"-6") Date Collected: 06/03/21 00:00

Date Received: 06/10/21 12:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		06/10/21 13:00	06/10/21 16:52	1
Toluene	< 0.00199	U F1	0.00199		mg/Kg		06/10/21 13:00	06/10/21 16:52	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		06/10/21 13:00	06/10/21 16:52	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		06/10/21 13:00	06/10/21 16:52	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		06/10/21 13:00	06/10/21 16:52	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		06/10/21 13:00	06/10/21 16:52	1
Total BTEX	<0.00398	U F2 F1	0.00398		mg/Kg		06/10/21 13:00	06/10/21 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				06/10/21 13:00	06/10/21 16:52	1
1,4-Difluorobenzene (Surr)	111		70 - 130				06/10/21 13:00	06/10/21 16:52	1
		DO) (OO)	70 - 130				06/10/21 13:00	06/10/21 16:52	1
Method: 8015B NM - Diesel Rang	ge Organics (D			MDI	l loit	D			Dil Foo
Method: 8015B NM - Diesel Rang Analyte	ge Organics (D	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (D	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (D Result <49.8	Qualifier	RL	MDL	mg/Kg	<u>D</u>	Prepared	Analyzed	1 Dil Fac 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (D	Qualifier	RL	MDL		<u>D</u>	Prepared 06/10/21 13:53	Analyzed 06/13/21 15:01	1 Dil Fac 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D Result <49.8	Qualifier U	RL	MDL	mg/Kg	<u> </u>	Prepared 06/10/21 13:53	Analyzed 06/13/21 15:01	1 Dil Fac 1 1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <49.8	Qualifier U	RL 49.8	MDL	mg/Kg	<u>D</u>	Prepared 06/10/21 13:53 06/10/21 13:53	Analyzed 06/13/21 15:01 06/13/21 15:01	1 Dil Fac 1 1 1 1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D) Result <49.8 1690 <49.8	Qualifier U	RL 49.8 49.8 49.8	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 06/10/21 13:53 06/10/21 13:53	Analyzed 06/13/21 15:01 06/13/21 15:01 06/13/21 15:01	1 Dil Fac 1 1 1 1 Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	ge Organics (D) Result <49.8 1690 <49.8	Qualifier U	RL 49.8 49.8 49.8 49.8	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 06/10/21 13:53 06/10/21 13:53 06/10/21 13:53 06/10/21 13:53	Analyzed 06/13/21 15:01 06/13/21 15:01 06/13/21 15:01 06/13/21 15:01	1 1 1

Client Sample ID: H-2 (0"-6") Lab Sample ID: 880-2941-2 Date Collected: 06/03/21 00:00 **Matrix: Solid**

RL

5.05

MDL Unit

mg/Kg

D

Prepared

Result Qualifier

119

Date Received: 06/10/21 12:09

Analyte

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 17:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 17:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 17:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 17:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 17:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 17:12	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/10/21 13:00	06/10/21 17:12	1
1,4-Difluorobenzene (Surr)	105		70 - 130				06/10/21 13:00	06/10/21 17:12	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		06/10/21 13:53	06/13/21 16:04	1

Eurofins Xenco, Midland

Dil Fac

Analyzed

06/15/21 11:48

Job ID: 880-2941-1

Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB

SDG: Lea County, NM

Client Sample ID: H-2 (0"-6")

Lab Sample ID: 880-2941-2

Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 16:04	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 16:04	1
Total TPH	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/10/21 13:53	06/13/21 16:04	1
o-Terphenyl	83		70 - 130				06/10/21 13:53	06/13/21 16:04	1
Method: 300.0 - Anions, Ion Chro	matagraphy	Soluble							

5.02

30.3

MDL Unit D Prepared Analyzed Dil Fac 06/15/21 12:05 mg/Kg

Client Sample ID: H-3 (0"-6")

Lab Sample ID: 880-2941-3

Date Collected: 06/03/21 00:00

Chloride

Matrix: Solid

Date Received: 06/10/21 12:09

Method: 8021B - Volatile Or	ganic Compounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 17:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 17:33	•
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 17:33	•
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/10/21 13:00	06/10/21 17:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 17:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/10/21 13:00	06/10/21 17:33	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		06/10/21 13:00	06/10/21 17:33	

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	103		70 - 130	06/10/21 13:00	06/10/21 17:33	1
Į	1,4-Difluorobenzene (Surr)	104		70 - 130	06/10/21 13:00	06/10/21 17:33	1

1,4-Difluorobenzene (Surr)	104		70 - 130				06/10/21 13:00	06/10/21 17:33	1
Method: 8015B NM - Diesel Range	Organics (DI	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/10/21 13:53	06/13/21 16:24	1

(GRO)-C6-C10 **Diesel Range Organics (Over** 50.0 06/10/21 13:53 06/13/21 16:24 293 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 06/10/21 13:53 06/13/21 16:24 **Total TPH** 50.0 mg/Kg 06/10/21 13:53 06/13/21 16:24 293

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/10/21 13:53	06/13/21 16:24	1
o-Terphenyl	78		70 - 130	06/10/21 13:53	06/13/21 16:24	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201	5.03	ma/Ka			06/15/21 12:10	

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Lab Sample ID: 880-2941-4

06/10/21 13:53 06/13/21 16:45

Matrix: Solid

CI	ient	Sa	ımp	ole	ID:	H-4	(0"-6")	
_	_							

Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 17:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 17:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 17:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/10/21 13:00	06/10/21 17:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 17:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/21 13:00	06/10/21 17:53	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/10/21 13:00	06/10/21 17:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/10/21 13:00	06/10/21 17:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/10/21 13:00	06/10/21 17:53	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (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		06/10/21 13:53	06/13/21 16:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 16:45	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 16:45	1
Total TPH	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/10/21 13:53	06/13/21 16:45	1

Method: 300.0 - Anions, Ion Chroi	natography - Soluble	e					
Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.3	5.01	mg/Kg			06/15/21 12:16	1

70 - 130

75

Client Sample ID: H-5 (0"-6") Lab Sample ID: 880-2941-5 Date Collected: 06/03/21 00:00 **Matrix: Solid**

Date Received: 06/10/21 12:09

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:00	06/10/21 18:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:00	06/10/21 18:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:00	06/10/21 18:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/21 13:00	06/10/21 18:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:00	06/10/21 18:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/21 13:00	06/10/21 18:13	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/10/21 13:00	06/10/21 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/10/21 13:00	06/10/21 18:13	1
1,4-Difluorobenzene (Surr)	118		70 - 130				06/10/21 13:00	06/10/21 18:13	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 17:06	

(GRO)-C6-C10

Client Sample ID: H-5 (0"-6")

Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	622		49.9		mg/Kg		06/10/21 13:53	06/13/21 17:06	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 17:06	1
Total TPH	622		49.9		mg/Kg		06/10/21 13:53	06/13/21 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/10/21 13:53	06/13/21 17:06	1
o-Terphenyl	79		70 - 130				06/10/21 13:53	06/13/21 17:06	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.2		4.99		mg/Kg			06/15/21 12:21	

Client Sample ID: H-6 (0"-6") Lab Sample ID: 880-2941-6 Date Collected: 06/03/21 00:00

Date Received: 06/10/21 12:09

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Benzene <0.00200 U 0.00200 06/10/21 13:00 mg/Kg

Analyzed Dil Fac 06/10/21 18:34 Toluene <0.00200 U 0.00200 mg/Kg 06/10/21 13:00 06/10/21 18:34 06/10/21 13:00 06/10/21 18:34 Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00401 U 0.00401 mg/Kg 06/10/21 13:00 06/10/21 18:34 o-Xylene <0.00200 U 0.00200 mg/Kg 06/10/21 13:00 06/10/21 18:34 Xylenes, Total <0.00401 U 0.00401 mg/Kg 06/10/21 13:00 06/10/21 18:34 Total BTEX <0.00401 U 0.00401 06/10/21 13:00 06/10/21 18:34 mg/Kg

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119	70 - 130	06/10/21 13:00	06/10/21 18:34	1
1,4-Difluorobenzene (Surr)	104	70 - 130	06/10/21 13:00	06/10/21 18:34	1

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

motion of top time blood itali	,	, (00)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 17:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 17:27	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 17:27	1
Total TPH	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/10/21 13:53	06/13/21 17:27	1
o-Terphenyl	77		70 - 130				06/10/21 13:53	06/13/21 17:27	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116	4.99	mg/Kg			06/15/21 12:38	1

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1

SDG: Lea County, NM

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

Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-7

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 18:54	
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 18:54	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 18:54	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 18:54	
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 18:54	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 18:54	
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 18:54	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	113		70 - 130				06/10/21 13:00	06/10/21 18:54	
1,4-Difluorobenzene (Surr)	103		70 - 130				06/10/21 13:00	06/10/21 18:54	
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Ossalina Danna Ossasina	<49.8	П	49.8		mg/Kg		06/10/21 13:53	06/13/21 17:48	
0 0	149.0	O	49.6		99				
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	96.8	Ü	49.8		mg/Kg		06/10/21 13:53	06/13/21 17:48	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)							06/10/21 13:53 06/10/21 13:53	06/13/21 17:48 06/13/21 17:48	
(GRO)-C6-C10 Diesel Range Organics (Over	96.8		49.8		mg/Kg				

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Chloride 404 4.96 mg/Kg 06/15/21 12:43

70 - 130

70 - 130

87

77

106

104

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

1-Chlorooctane

o-Terphenyl

Lab Sample ID: 880-2941-8 **Matrix: Solid**

06/13/21 17:48

06/13/21 17:48

06/10/21 13:53

06/10/21 13:53

06/10/21 13:00

06/10/21 13:00

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		06/10/21 13:00	06/10/21 19:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 19:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 19:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 19:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 19:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 19:15	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Method: 8015B NM - Diesel Ra	nge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 18:09	1
(GRO)-C6-C10									

70 - 130

70 - 130

Eurofins Xenco, Midland

06/10/21 19:15

06/10/21 19:15

4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)

Client Sample Results

Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB

295

Job ID: 880-2941-1 SDG: Lea County, NM

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

Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-8 Date Collected: 06/03/21 00:00

Matrix: Solid

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

	•	, , , ,	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 18:09	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 18:09	1
Total TPH	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/10/21 13:53	06/13/21 18:09	1

o-Terphenyl 70 - 130 06/10/21 13:53 06/13/21 18:09 Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte MDL Unit D RLPrepared Analyzed Dil Fac 06/15/21 12:49

Client Sample ID: AH-1 (2'-2.5')

Chloride

Lab Sample ID: 880-2941-9 Date Collected: 06/03/21 00:00 **Matrix: Solid**

4.97

mg/Kg

Date Received: 06/10/21 12:09

Wethod: 8021B - Volatile Or	ganic Compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 19:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 19:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 19:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 19:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 19:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 19:35	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 19:35	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118	70 - 130	06/10/21 13:00	06/10/21 19:35	1
1,4-Difluorobenzene (Surr)	116	70 - 130	06/10/21 13:00	06/10/21 19:35	1

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

Method. 60 130 MM - Dieser Kang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 18:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 18:30	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 18:30	1
Total TPH	<49.9	U	49.9		mg/Kg		06/10/21 13:53	06/13/21 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/10/21 13:53	06/13/21 18:30	1
o-Terphenyl	76		70 - 130				06/10/21 13:53	06/13/21 18:30	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	130	5 00	ma/Ka			06/15/21 12:54	1	

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Lab Sample ID: 880-2941-10

Client Sample ID: AH-1 (3'-3.5')

Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 19:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 19:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 19:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/10/21 13:00	06/10/21 19:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 19:55	1
Xylenes, Total	< 0.00396	U	0.00396		mg/Kg		06/10/21 13:00	06/10/21 19:55	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/10/21 13:00	06/10/21 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/10/21 13:00	06/10/21 19:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/10/21 13:00	06/10/21 19:55	1

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.9 U 49.9 mg/Kg 06/10/21 13:53 06/13/21 18:51 (GRO)-C6-C10 Diesel Range Organics (Over 06/10/21 13:53 06/13/21 18:51 <49.9 U 49.9 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 06/10/21 13:53 06/13/21 18:51 Total TPH 06/10/21 13:53 06/13/21 18:51 <49.9 U 49.9 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 89 70 - 130 06/10/21 13:53 06/13/21 18:51

o-Terphenyl	81		70 - 130				06/10/21 13:53	06/13/21 18:51	1
Method: 300.0 - Anions, Ion Chroi	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.0		5.00		mg/Kg			06/15/21 13:00	1

Client Sample ID: AH-2 (1'-1.5') Lab Sample ID: 880-2941-11 Date Collected: 06/04/21 00:00 Matrix: Solid

Date Received: 06/10/21 12:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 21:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 21:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 21:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/10/21 13:00	06/10/21 21:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 21:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/21 13:00	06/10/21 21:17	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/10/21 13:00	06/10/21 21:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				06/10/21 13:00	06/10/21 21:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/10/21 13:00	06/10/21 21:17	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/10/21 13:53	06/13/21 19:33	1

Project/Site: Caballo Section 23 TB

SDG: Lea County, NM

Job ID: 880-2941-1

Lab Sample ID: 880-2941-11

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/10/21 13:53	06/13/21 19:33	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/21 13:53	06/13/21 19:33	1
Total TPH	<50.0	U	50.0		mg/Kg		06/10/21 13:53	06/13/21 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/10/21 13:53	06/13/21 19:33	1
o-Terphenyl	81		70 - 130				06/10/21 13:53	06/13/21 19:33	1
- Method: 300.0 - Anions, Ion Chr	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-12

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 21:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 21:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 21:38	1
m-Xylene & p-Xylene	< 0.00399	U	0.00399		mg/Kg		06/10/21 13:00	06/10/21 21:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 21:38	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/10/21 13:00	06/10/21 21:38	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/10/21 13:00	06/10/21 21:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/10/21 13:00	06/10/21 21:38	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/10/21 13:00	06/10/21 21:38	1
Method: 8015B NM - Diesel Rang	e Organics (Di	RO) (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		06/10/21 13:53	06/13/21 19:54	1
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		06/10/21 13:53	06/13/21 19:54	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/10/21 13:53	06/13/21 19:54	1
Total TPH	<49.7	U	49.7		mg/Kg		06/10/21 13:53	06/13/21 19:54	1
Surrogate	24-	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	574		5.02		mg/Kg			06/15/21 13:21	1

70 - 130

70 - 130

86

79

06/13/21 19:54

06/13/21 19:54

06/10/21 13:53

06/10/21 13:53

1-Chlorooctane

o-Terphenyl

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Lab Sample ID: 880-2941-13

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 21:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 21:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 21:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/10/21 13:00	06/10/21 21:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 21:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/10/21 13:00	06/10/21 21:58	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/10/21 13:00	06/10/21 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				06/10/21 13:00	06/10/21 21:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/10/21 13:00	06/10/21 21:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <49.8 U Gasoline Range Organics 49.8 06/10/21 13:53 06/13/21 20:15 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over mg/Kg <49.8 U 49.8 06/10/21 13:53 06/13/21 20:15 C10-C28) Oll Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 06/10/21 13:53 06/13/21 20:15 Total TPH 06/10/21 13:53 06/13/21 20:15 <49.8 U 49.8 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 06/10/21 13:53 06/13/21 20:15

o-Terphenyl	77		70 - 130				06/10/21 13:53	06/13/21 20:15	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		5.05		mg/Kg			06/15/21 13:27	1

86

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

1-Chlorooctane

Lab Sample ID: 880-2941-14

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 22:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 22:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 22:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/10/21 13:00	06/10/21 22:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 22:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/10/21 13:00	06/10/21 22:19	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		06/10/21 13:00	06/10/21 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				06/10/21 13:00	06/10/21 22:19	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/10/21 13:00	06/10/21 22:19	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		06/10/21 13:53	06/13/21 20:36	1

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1

SDG: Lea County, NM

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-14

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	240		49.7		mg/Kg		06/10/21 13:53	06/13/21 20:36	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/10/21 13:53	06/13/21 20:36	1
Total TPH	240		49.7		mg/Kg		06/10/21 13:53	06/13/21 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/10/21 13:53	06/13/21 20:36	1
o-Terphenyl	78		70 - 130				06/10/21 13:53	06/13/21 20:36	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.1		5.04		mg/Kg			06/15/21 13:43	1

Client Sample ID: AH-3 (1'-1.5') Lab Sample ID: 880-2941-15

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Matrix: Solid

Method: 8021B - Volatile Or	ganic Compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 22:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 22:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 22:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 22:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/10/21 22:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 22:39	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/10/21 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/10/21 13:00	06/10/21 22:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/10/21 13:00	06/10/21 22:39	1

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

Method. 00 13D MM - Dieser Kang	je Organica (D	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 20:57	1
(GRO)-C6-C10									
Diesel Range Organics (Over	159		49.8		mg/Kg		06/10/21 13:53	06/13/21 20:57	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/10/21 13:53	06/13/21 20:57	1
Total TPH	159		49.8		mg/Kg		06/10/21 13:53	06/13/21 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/10/21 13:53	06/13/21 20:57	1
o-Terphenyl	77		70 - 130				06/10/21 13:53	06/13/21 20:57	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.5	5.04	mg/Kg			06/15/21 13:49	1

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Sample ID: 880-2941-16

Client Sample ID: AH-3 (2-'2.5')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09 Lab Sample ID: 880-2941-16

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 22:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 22:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 22:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/21 13:00	06/10/21 22:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 22:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/21 13:00	06/10/21 22:59	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/10/21 13:00	06/10/21 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/10/21 13:00	06/10/21 22:59	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/10/21 13:00	06/10/21 22:59	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 06/10/21 13:54 06/13/21 21:18 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 06/13/21 21:18 <50.0 U 50.0 mg/Kg 06/10/21 13:54 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 06/10/21 13:54 06/13/21 21:18 Total TPH 06/10/21 13:54 06/13/21 21:18 <50.0 U 50.0 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

Method: 300.0 - Anions, Ion Chrom	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		4.97		mg/Kg			06/15/21 13:54	1

70 - 130

70 - 130

88

79

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

1-Chlorooctane

o-Terphenyl

Lab Sample ID: 880-2941-17

06/13/21 21:18

06/13/21 21:18

06/10/21 13:54

06/10/21 13:54

Matrix: Solid

Method: 8021B - Volatile Orga	nic Compounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 23:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 23:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 23:20	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/10/21 13:00	06/10/21 23:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:00	06/10/21 23:20	1
Xylenes, Total	< 0.00397	U	0.00397		mg/Kg		06/10/21 13:00	06/10/21 23:20	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		06/10/21 13:00	06/10/21 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/10/21 13:00	06/10/21 23:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/10/21 13:00	06/10/21 23:20	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/10/21 13:54	06/13/21 21:39	1
(GRO)-C6-C10									

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-17

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/10/21 13:54	06/13/21 21:39	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/21 13:54	06/13/21 21:39	1
Total TPH	<49.9	U	49.9		mg/Kg		06/10/21 13:54	06/13/21 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				06/10/21 13:54	06/13/21 21:39	1
o-Terphenyl	85		70 - 130				06/10/21 13:54	06/13/21 21:39	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.96		mg/Kg			06/15/21 14:00	

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-18 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 23:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 23:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 23:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/10/21 13:00	06/10/21 23:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/10/21 13:00	06/10/21 23:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/10/21 13:00	06/10/21 23:40	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		06/10/21 13:00	06/10/21 23:40	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	70 - 130	06/10/21 13:00	06/10/21 23:40	1
1,4-Difluorobenzene (Surr)	99	70 - 130	06/10/21 13:00	06/10/21 23:40	1

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

Method: 8015B NM - Diesei Rang	ge Organics (D	RO) (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		06/10/21 13:54	06/13/21 21:59	1
Diesel Range Organics (Over C10-C28)	530		49.9		mg/Kg		06/10/21 13:54	06/13/21 21:59	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/21 13:54	06/13/21 21:59	1
Total TPH	530		49.9		mg/Kg		06/10/21 13:54	06/13/21 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/10/21 13:54	06/13/21 21:59	1
o-Terphenyl	78		70 - 130				06/10/21 13:54	06/13/21 21:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	291	4.97	mg/Kg			06/15/21 14:05	1

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

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

SDG: Lea County, NM

Lab Sample ID: 880-2941-19

Matrix: Solid

Job ID: 880-2941-1

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:00	06/11/21 00:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:00	06/11/21 00:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:00	06/11/21 00:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/21 13:00	06/11/21 00:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:00	06/11/21 00:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/21 13:00	06/11/21 00:01	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/10/21 13:00	06/11/21 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/10/21 13:00	06/11/21 00:01	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/10/21 13:00	06/11/21 00:01	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/10/21 13:54	06/13/21 22:20	1
Diesel Range Organics (Over C10-C28)	731		50.0		mg/Kg		06/10/21 13:54	06/13/21 22:20	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/21 13:54	06/13/21 22:20	1
Total TPH	731		50.0		mg/Kg		06/10/21 13:54	06/13/21 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/10/21 13:54	06/13/21 22:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	376	4.98	mg/Kg			06/15/21 14:11	1		

70 - 130

78

Client Sample ID: AH-4 (2'-2.5') Lab Sample ID: 880-2941-20 Date Collected: 06/04/21 00:00 **Matrix: Solid**

Date Received: 06/10/21 12:09

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/11/21 00:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/11/21 00:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/11/21 00:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/11/21 00:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:00	06/11/21 00:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/11/21 00:21	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/10/21 13:00	06/11/21 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/10/21 13:00	06/11/21 00:21	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/10/21 13:00	06/11/21 00:21	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/10/21 13:54	06/13/21 22:41	1

Eurofins Xenco, Midland

06/10/21 13:54 06/13/21 22:20

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1

SDG: Lea County, NM

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-20

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	113		50.0		mg/Kg		06/10/21 13:54	06/13/21 22:41	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/21 13:54	06/13/21 22:41	1
Total TPH	113		50.0		mg/Kg		06/10/21 13:54	06/13/21 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/10/21 13:54	06/13/21 22:41	1
o-Terphenyl	77		70 - 130				06/10/21 13:54	06/13/21 22:41	1
Method: 300.0 - Anions, Ion Chr	omatography -	Soluble							
	D14	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	NL.	MIDL	Oilit		riepaieu	Allalyzeu	Diriac

Client Sample ID: AH-5 (0'-1') Lab Sample ID: 880-2941-21 Date Collected: 06/04/21 00:00 Matrix: Solid

Date Received: 06/10/21 12:09

Method: 8021B - Volatile Or	• •	•				_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		06/10/21 13:04	06/10/21 17:12	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		06/10/21 13:04	06/10/21 17:12	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		06/10/21 13:04	06/10/21 17:12	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		06/10/21 13:04	06/10/21 17:12	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		06/10/21 13:04	06/10/21 17:12	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		06/10/21 13:04	06/10/21 17:12	1
Total BTEX	<0.00399	U F1	0.00399		mg/Kg		06/10/21 13:04	06/10/21 17:12	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108	70 - 130	06/10/21 13:04	06/10/21 17:12	1
1,4-Difluorobenzene (Surr)	78	70 - 130	06/10/21 13:04	06/10/21 17:12	1

Method: 8015B NM - Diese	I Range Organics (DRO) (GC)
Analyte	Posult Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/10/21 14:13	06/13/21 15:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	5280		49.8		mg/Kg		06/10/21 14:13	06/13/21 15:01	1
C10-C28)									
Oll Range Organics (Over	898		49.8		mg/Kg		06/10/21 14:13	06/13/21 15:01	1
C28-C36)									
Total TPH	6180	F1	49.8		mg/Kg		06/10/21 14:13	06/13/21 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	06/10/21 14:13	06/13/21 15:01	1
o-Terphenyl	90		70 - 130	06/10/21 14:13	06/13/21 15:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	6810	F1	50.1		mg/Kg			06/11/21 15:31	10

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1

SDG: Lea County, NM

Client Sample ID: AH-5 (1'-1.5')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-22

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 17:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 17:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 17:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/21 13:04	06/10/21 17:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 17:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/21 13:04	06/10/21 17:37	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/10/21 13:04	06/10/21 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		-	70 - 130				06/10/21 13:04	06/10/21 17:37	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/10/21 13:04	06/10/21 17:37	1

Method: 8015B NM - Diesel Ra	nge Organics (DR	RO) (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		06/10/21 14:13	06/13/21 16:04	1
Diesel Range Organics (Over C10-C28)	1310		49.8		mg/Kg		06/10/21 14:13	06/13/21 16:04	•
Oll Range Organics (Over C28-C36)	187		49.8		mg/Kg		06/10/21 14:13	06/13/21 16:04	•
Total TPH	1500		49.8		mg/Kg		06/10/21 14:13	06/13/21 16:04	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

o-Terphenyl	106		70 - 130				06/10/21 14:13	06/13/21 16:04	1
Method: 300.0 - Anions, Ion Chrom	atography - S	oluble							
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3650		25.2		mg/Kg			06/11/21 15:45	5

70 - 130

106

Client Sample ID: AH-5 (2'-2.5')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

1-Chlorooctane

Lab Sample ID: 880-2941-23

06/13/21 16:04

06/10/21 14:13

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 18:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 18:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 18:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/21 13:04	06/10/21 18:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 18:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/21 13:04	06/10/21 18:02	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/10/21 13:04	06/10/21 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/10/21 13:04	06/10/21 18:02	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/10/21 13:04	06/10/21 18:02	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/10/21 14:13	06/13/21 16:24	1

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Client Sample ID: AH-5 (2'-2.5')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-23

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	59.8		50.0		mg/Kg		06/10/21 14:13	06/13/21 16:24	1
C10-C28)									
Oll Range Organics (Over	105		50.0		mg/Kg		06/10/21 14:13	06/13/21 16:24	1
C28-C36)									
Total TPH	165		50.0		mg/Kg		06/10/21 14:13	06/13/21 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				06/10/21 14:13	06/13/21 16:24	1
o-Terphenyl	108		70 ₋ 130				06/10/21 14:13	06/13/21 16:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 3540 24.9 06/11/21 15:50 Chloride mg/Kg

Client Sample ID: AH-5 (3'-3.5')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-24

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 18:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 18:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 18:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/10/21 13:04	06/10/21 18:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 18:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/10/21 13:04	06/10/21 18:28	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/10/21 13:04	06/10/21 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				06/10/21 13:04	06/10/21 18:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/10/21 13:04	06/10/21 18:28	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		06/10/21 14:13	06/13/21 16:45	1

Method: 8015B NM - Diesel Ra Analyte	• • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8		49.8		mg/Kg		06/10/21 14:13	06/13/21 16:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/10/21 14:13	06/13/21 16:45	1
Oll Range Organics (Over C28-C36)	73.1		49.8		mg/Kg		06/10/21 14:13	06/13/21 16:45	1
Total TPH	73.1		49.8		mg/Kg		06/10/21 14:13	06/13/21 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				06/10/21 14:13	06/13/21 16:45	1
o-Terphenyl	116		70 - 130				06/10/21 14:13	06/13/21 16:45	1
Method: 300.0 - Anions, Ion C	hromatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

25.1

mg/Kg

06/11/21 15:55

3490

Chloride

Project/Site: Caballo Section 23 TB

Date Received: 06/10/21 12:09

SDG: Lea County, NM

Lab Sample ID: 880-2941-25

Client Sample ID: AH-5 (4'-4.5") Date Collected: 06/04/21 00:00

Matrix: Solid

Job ID: 880-2941-1

Method: 8021B - Volatile Organic Compounds (GC)
metriod: 002 1B - Volutile Organic Compounds (CO)

		()							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:04	06/10/21 18:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:04	06/10/21 18:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:04	06/10/21 18:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/21 13:04	06/10/21 18:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:04	06/10/21 18:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/21 13:04	06/10/21 18:53	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/10/21 13:04	06/10/21 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/10/21 13:04	06/10/21 18:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/10/21 13:04	06/10/21 18:53	1

Mathadi COLED NM Discal De	and Ormanica (DDO) (CC)
Method: 8015B NM - Diesel Rai	nde Ordanics (DRO) (GC)

ge Organics (DF	(O) (GC)							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9		mg/Kg		06/10/21 14:13	06/13/21 17:06	1
<49.9	U	49.9		mg/Kg		06/10/21 14:13	06/13/21 17:06	1
57.4		49.9		mg/Kg		06/10/21 14:13	06/13/21 17:06	1
57.4		49.9		mg/Kg		06/10/21 14:13	06/13/21 17:06	1
	Result <49.9 <49.9 57.4		Result Qualifier RL	Result Qualifier RL MDL	Result Qualifier RL MDL Unit mg/Kg	Result Qualifier RL MDL Unit D mg/Kg	Result 49.9 Qualifier RL 49.9 MDL mg/Kg D 06/10/21 14:13 49.9 mg/Kg 06/10/21 14:13 57.4 49.9 mg/Kg 06/10/21 14:13 67.4 49.9 mg/Kg 06/10/21 14:13	Result Qualifier RL 49.9 MDL mg/Kg Unit mg/Kg D 06/10/21 14:13 Prepared 06/10/21 14:13 Analyzed 06/13/21 17:06 <49.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	06/10/21 14:13	06/13/21 17:06	1
o-Terphenyl	106		70 - 130	06/10/21 14:13	06/13/21 17:06	1

Method: 300.0 - Anions, Ion Chromatogr	aph	y -	Sol	luble
			_	

Analyte	Result Qualif	ier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3860	25.3	mg/Kg	9 –		06/11/21 16:00	5

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-26 **Matrix: Solid**

Method: 8021B - Volatile Organic Compounds (GC)

Wichiod. 002 ID - Volatile Orge	inc compounds	,00,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:04	06/10/21 19:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:04	06/10/21 19:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:04	06/10/21 19:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/21 13:04	06/10/21 19:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/21 13:04	06/10/21 19:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/21 13:04	06/10/21 19:18	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/10/21 13:04	06/10/21 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/10/21 13:04	06/10/21 19:18	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/10/21 13:04	06/10/21 19:18	1

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

moundar ou ros rum sidoor rumgo	organioo (D	(00)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/10/21 14:13	06/13/21 17:27	1
(GRO)-C6-C10									

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Lab Sample ID: 880-2941-26

Matrix: Solid

Client Sample ID: AH-6 (0'-1') Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	205		49.8		mg/Kg		06/10/21 14:13	06/13/21 17:27	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/10/21 14:13	06/13/21 17:27	1
Total TPH	205		49.8		mg/Kg		06/10/21 14:13	06/13/21 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				06/10/21 14:13	06/13/21 17:27	1
o-Terphenyl	105		70 - 130				06/10/21 14:13	06/13/21 17:27	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	705		4.95		mg/Kg			06/11/21 16:15	1

Lab Sample ID: 880-2941-27 Client Sample ID: AH-6 (1'-1.5')

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lub	Carrin	JIC ID.	000-2	LUT 1-2	•
			Mat	rix: Soli	id
					_

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 19:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 19:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 19:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/10/21 13:04	06/10/21 19:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 19:43	1
Xylenes, Total	< 0.00401	U	0.00401		mg/Kg		06/10/21 13:04	06/10/21 19:43	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/10/21 13:04	06/10/21 19:43	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	84		70 - 130	06/10/21 13:04	06/10/21 19:43	1
l	1,4-Difluorobenzene (Surr)	88		70 - 130	06/10/21 13:04	06/10/21 19:43	1

l	Method: 8015B NM - Diesel Range	e Organics (DRO) (GC)
ı	Δnalvto	Result Qualifier

Method. 00 13D MM - Dieser Kang	Je Organics (D	NO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/10/21 14:13	06/13/21 17:48	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		06/10/21 14:13	06/13/21 17:48	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/10/21 14:13	06/13/21 17:48	1
Total TPH	<49.8	U	49.8		mg/Kg		06/10/21 14:13	06/13/21 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/10/21 14:13	06/13/21 17:48	1
o-Terphenyl	99		70 - 130				06/10/21 14:13	06/13/21 17:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	576	4.97		mg/Kg			06/11/21 16:20	1

Project/Site: Caballo Section 23 TB

SDG: Lea County, NM

Lab Sample ID: 880-2941-28

Client Sample ID: AH-6 (2'-2.5')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

06/10/21 14:13

06/13/21 18:09

Matrix: Solid

Job ID: 880-2941-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 20:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 20:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 20:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/10/21 13:04	06/10/21 20:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 20:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/21 13:04	06/10/21 20:08	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/10/21 13:04	06/10/21 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/10/21 13:04	06/10/21 20:08	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/10/21 13:04	06/10/21 20:08	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <49.9 U Gasoline Range Organics 49.9 06/10/21 14:13 06/13/21 18:09 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 06/13/21 18:09 <49.9 U 49.9 mg/Kg 06/10/21 14:13 C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 06/10/21 14:13 06/13/21 18:09 Total TPH 06/10/21 14:13 06/13/21 18:09 <49.9 U 49.9 mg/Kg %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate

o-Terphenyl	107		70 - 130				06/10/21 14:13	06/13/21 18:09	1
Method: 300.0 - Anions, Ion Chror	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	492		5.04		mg/Kg			06/11/21 16:25	1

70 - 130

113

Client Sample ID: AH-6 (3'-3.5') Lab Sample ID: 880-2941-29 Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

1-Chlorooctane

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 20:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 20:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 20:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/21 13:04	06/10/21 20:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 20:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/21 13:04	06/10/21 20:33	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/10/21 13:04	06/10/21 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/10/21 13:04	06/10/21 20:33	1
1,4-Difluorobenzene (Surr)	104		70 - 130				06/10/21 13:04	06/10/21 20:33	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/10/21 14:13	06/13/21 18:30	1

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(GRO)-C6-C10

Matrix: Solid

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Client Sample ID: AH-6 (3'-3.5')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-29

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/10/21 14:13	06/13/21 18:30	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/21 14:13	06/13/21 18:30	1
Total TPH	<49.9	U	49.9		mg/Kg		06/10/21 14:13	06/13/21 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				06/10/21 14:13	06/13/21 18:30	1
o-Terphenyl	111		70 - 130				06/10/21 14:13	06/13/21 18:30	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
-			5.01		mg/Kg			06/11/21 16:30	

Client Sample ID: AH-2 (0'-1') Lab Sample ID: 880-2941-30 Date Collected: 06/04/21 00:00

Matrix: Solid

Date Received: 06/10/21 12:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 20:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 20:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 20:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/21 13:04	06/10/21 20:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/21 13:04	06/10/21 20:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/21 13:04	06/10/21 20:58	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/10/21 13:04	06/10/21 20:58	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95	70 - 130	06/10/21 13:04	06/10/21 20:58	1
1.4-Difluorobenzene (Surr)	99	70 - 130	06/10/21 13:04	06/10/21 20:58	1

Method: 8015B NM - Diese	I Range Organics (DRO) (GC)
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	,	, (,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/10/21 14:13	06/13/21 18:51	1
(GRO)-C6-C10									
Diesel Range Organics (Over	131		49.9		mg/Kg		06/10/21 14:13	06/13/21 18:51	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/21 14:13	06/13/21 18:51	1
Total TPH	131		49.9		mg/Kg		06/10/21 14:13	06/13/21 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/10/21 14:13	06/13/21 18:51	1
o-Terphenyl	98		70 - 130				06/10/21 14:13	06/13/21 18:51	1

Method: 300.0 - Anions, Ion Chron	natography - S	Soluble								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2110		25.0		ma/Ka			06/11/21 16:35	5	

Job ID: 880-2941-1 Project/Site: Caballo Section 23 TB SDG: Lea County, NM

Lab Sample ID: 880-2941-31

Client Sample ID: AH-7 (0'-1') Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:04	06/10/21 22:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:04	06/10/21 22:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:04	06/10/21 22:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/10/21 13:04	06/10/21 22:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:04	06/10/21 22:39	1
Xylenes, Total	< 0.00396	U	0.00396		mg/Kg		06/10/21 13:04	06/10/21 22:39	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/10/21 13:04	06/10/21 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				06/10/21 13:04	06/10/21 22:39	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/10/21 13:04	06/10/21 22:39	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 06/10/21 14:13 06/13/21 19:33 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 243 50.0 mg/Kg 06/10/21 14:13 06/13/21 19:33 C10-C28) **Oll Range Organics (Over** 50.0 mg/Kg 06/10/21 14:13 06/13/21 19:33 63.1 C28-C36) 06/10/21 14:13 **Total TPH** 306 50.0 mg/Kg 06/13/21 19:33 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

Method: 300.0 - Anions, Ion Chromatogra	ipily - Soluble						
Mothod: 200 0 Aniona Ion Chromotogra	anhy Colubia						
o-Terphenyl	105	70 - 130	06/10/2	21 14:13 (06/13/21 19:33	1	

25.0

mg/Kg

mg/Kg

70 - 130

111

2350

<49.7 U

Client Sample ID: AH-7 (1'-1.5')

Date Collected: 06/04/21 00:00

1-Chlorooctane

Chloride

Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-32 **Matrix: Solid**

06/13/21 19:33

06/11/21 16:39

06/10/21 14:13

06/10/21 14:13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:04	06/10/21 23:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:04	06/10/21 23:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:04	06/10/21 23:04	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/10/21 13:04	06/10/21 23:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/10/21 13:04	06/10/21 23:04	1
Xylenes, Total	< 0.00397	U	0.00397		mg/Kg		06/10/21 13:04	06/10/21 23:04	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		06/10/21 13:04	06/10/21 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				06/10/21 13:04	06/10/21 23:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/10/21 13:04	06/10/21 23:04	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Xenco, Midland

06/13/21 19:54

49.7

Gasoline Range Organics

(GRO)-C6-C10

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-2941-1

Project/Site: Caballo Section 23 TB

SDG: Lea County, NM

Client Sample ID: AH-7 (1'-1.5')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Chloride

Lab Sample ID: 880-2941-32

06/11/21 16:54

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	124		49.7		mg/Kg		06/10/21 14:13	06/13/21 19:54	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/10/21 14:13	06/13/21 19:54	1
Total TPH	124		49.7		mg/Kg		06/10/21 14:13	06/13/21 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				06/10/21 14:13	06/13/21 19:54	1
o-Terphenyl	112		70 - 130				06/10/21 14:13	06/13/21 19:54	1
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

24.8

mg/Kg

973

5

8

10

11

13

14

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-2941-1

Project/Site: Caballo Section 23 TB

SDG: Lea County, NM

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)	
380-2941-1	H-1 (0"-6")	107	111	
880-2941-1 MS	H-1 (0"-6")	112	110	
80-2941-1 MSD	H-1 (0"-6")	105	111	
80-2941-2	H-2 (0"-6")	104	105	
880-2941-3	H-3 (0"-6")	103	104	
80-2941-4	H-4 (0"-6")	102	102	
880-2941-5	H-5 (0"-6")	108	118	
80-2941-6	H-6 (0"-6")	119	104	
80-2941-7	AH-1 (0'-1')	113	103	
80-2941-8	AH-1 (1'-1.5')	106	104	
80-2941-9	AH-1 (2'-2.5')	118	116	
80-2941-10	AH-1 (3'-3.5')	103	102	
80-2941-11	AH-2 (1'-1.5')	111	99	
80-2941-12	AH-2 (2'-2.5')	108	97	
80-2941-13	AH-2 (3'-3.5')	111	97	
80-2941-14	AH-3 (0'-1')	107	98	
80-2941-15	AH-3 (1'-1.5')	109	92	
80-2941-16	AH-3 (2-'2.5')	97	100	
80-2941-17	AH-3 (3'-3.5')	102	97	
80-2941-18	AH-4 (0'-1')	97	99	
80-2941-19	AH-4 (1'-1.5')	99	97	
80-2941-20	AH-4 (2'-2.5')	109	98	
80-2941-21	AH-5 (0'-1')	108	78	
80-2941-21 MS	AH-5 (0'-1')	103	91	
80-2941-21 MSD	AH-5 (0'-1')	106	85	
80-2941-22	AH-5 (1'-1.5')	117	91	
80-2941-23	AH-5 (2'-2.5')	101	96	
80-2941-24	AH-5 (3'-3.5')	100	97	
80-2941-25	AH-5 (4'-4.5")	99	102	
80-2941-26	AH-6 (0'-1')	101	101	
80-2941-27	AH-6 (1'-1.5')	84	88	
80-2941-28	AH-6 (2'-2.5')	102	103	
80-2941-29	AH-6 (3'-3.5')	104	104	
80-2941-30	AH-2 (0'-1')	95	99	
80-2941-31	AH-7 (0'-1')	110	90	
80-2941-32	AH-7 (1'-1.5')	100	98	
CS 880-3959/1-A	Lab Control Sample	107	107	
CS 880-3975/1-A	Lab Control Sample	90	103	
CSD 880-3959/2-A	Lab Control Sample Dup	109	107	
CSD 880-3975/2-A	Lab Control Sample Dup	93	103	
/IB 880-3959/5-A	Method Blank	98	95	
1B 880-3975/5-A	Method Blank	66 S1-	82	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-2941-1

Project/Site: Caballo Section 23 TB

SDG: Lea County, NM

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

Matrix: Solid Prep Type: Total/NA

-				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	Toront Carrogate Receivery (Acceptance Emilia)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-2941-1	H-1 (0"-6")	90	78	
880-2941-1 MS	H-1 (0"-6")	95	73	
880-2941-1 MSD	H-1 (0"-6")	94	74	
380-2941-2	H-2 (0"-6")	91	83	
880-2941-3	H-3 (0"-6")	87	78	
880-2941-4	H-4 (0"-6")	86	75	
380-2941-5	H-5 (0"-6")	91	79	
380-2941-6	H-6 (0"-6")	87	77	
880-2941-7	AH-1 (0'-1')	87	77	
880-2941-8	AH-1 (1'-1.5')	87	76	
880-2941-9	AH-1 (2'-2.5')	86	76	
880-2941-10	AH-1 (3'-3.5')	89	81	
880-2941-11	AH-2 (1'-1.5')	87	81	
880-2941-12	AH-2 (2'-2.5')	86	79	
880-2941-13	AH-2 (3'-3.5')	86	77	
880-2941-14	AH-3 (0'-1')	87	78	
880-2941-15	AH-3 (1'-1.5')	86	77	
880-2941-16	AH-3 (2-'2.5')	88	77 79	
880-2941-17	AH-3 (3'-3.5')	93	85	
380-2941-17 380-2941-18	AH-4 (0'-1')	89	78	
880-2941-19	AH-4 (0-1) AH-4 (1'-1.5')	89	78 78	
880-2941-20	AH-4 (2'-2.5')	86	77	
880-2941-21	AH-5 (0'-1')	117	90	
880-2941-21 MS	AH-5 (0'-1')	103	79	
880-2941-21 MSD	AH-5 (0'-1')	107	81	
880-2941-22	AH-5 (0-1) AH-5 (1'-1.5')	106	106	
880-2941-23	AH-5 (2'-2.5')	109	108	
880-2941-24	AH-5 (2'-2.5')	120	116	
880-2941-25	AH-5 (4'-4.5")	113	106	
880-2941-26	AH-6 (0'-1')	113	105	
880-2941-27		97	99	
880-2941-28	AH-6 (1'-1.5')	113	107	
	AH-6 (2'-2.5')			
880-2941-29	AH-6 (3'-3.5')	115	111	
880-2941-30	AH-2 (0'-1')	99	98	
880-2941-31	AH-7 (0'-1')	111	105	
880-2941-32 LCS 880-3984/2-A	AH-7 (1'-1.5') Lab Control Sample	119	112	
	Lab Control Sample	86	77 82	
LCS 880-3985/2-A	•	84 85		
LCS 880-4077/2-A	Lab Control Sample		71	
LCSD 880-3984/3-A	Lab Control Sample Dup	92	73	
LCSD 880-3985/3-A	Lab Control Sample Dup	90 97	83	
LCSD 880-4077/3-A	Lab Control Sample Dup	87	74	
MB 880-3984/1-A	Method Blank	93	85 103	
MB 880-3985/1-A	Method Blank	98	103	
MB 880-4077/1-A	Method Blank	89	83	
Surrogate Legend				
1CO = 1-Chlorooctane				

Job ID: 880-2941-1

SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3959/5-A

Project/Site: Caballo Section 23 TB

Matrix: Solid Analysis Batch: 3978 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3959

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 16:30	
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 16:30	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 16:30	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/21 13:00	06/10/21 16:30	
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:00	06/10/21 16:30	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/21 13:00	06/10/21 16:30	
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/10/21 13:00	06/10/21 16:30	

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98	70 - 130	06/10/21 13:00	06/10/21 16:30	1
1,4-Difluorobenzene (Surr)	95	70 - 130	06/10/21 13:00	06/10/21 16:30	1

Lab Sample ID: LCS 880-3959/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 3978

Prep Type: Total/NA Prep Batch: 3959

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1010 mg/Kg 101 70 - 130 Toluene 0.100 0.09317 mg/Kg 93 70 - 130 Ethylbenzene 0.100 0.09238 mg/Kg 92 70 - 130 m-Xylene & p-Xylene 0.200 0.1973 70 - 130 mg/Kg 99 o-Xylene 0.100 0.09676 mg/Kg 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1.4-Difluorobenzene (Surr)	107	70 - 130

Lab Sample ID: LCSD 880-3959/2-A

Matrix: Solid

Analysis Batch: 3978

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3959

		Spike	LCSD	LCSD				%Rec.		RPD	
Α	nalyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
В	enzene	0.100	0.1037		mg/Kg		104	70 - 130	3	35	
To	bluene	0.100	0.09638		mg/Kg		96	70 - 130	3	35	
E	thylbenzene	0.100	0.09624		mg/Kg		96	70 - 130	4	35	
m	-Xylene & p-Xylene	0.200	0.2072		mg/Kg		104	70 - 130	5	35	
0-	Xylene	0.100	0.1083		mg/Kg		108	70 - 130	11	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1.4-Difluorobenzene (Surr)	107	70 - 130

Lab Sample ID: 880-2941-1 MS

Matrix: Solid

Analysis Batch: 3978

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

Prep Type: Total/NA

Prep Batch: 3959

, =										
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	< 0.00199	U F1	0.0996	0.06180	F1	ma/Ka		62	70 - 130	

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Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB

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

Lab Sample ID: 880-2941-1 MS

Matrix: Solid

Analysis Batch: 3978

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

Prep Type: Total/NA

Prep Batch: 3959

Job ID: 880-2941-1

SDG: Lea County, NM

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Toluene <0.00199 UF1 0.0996 0.03898 F1 39 70 - 130 mg/Kg Ethylbenzene <0.00199 U F2 F1 0.0996 0.02665 F1 mg/Kg 27 70 - 130 0.199 70 - 130 m-Xylene & p-Xylene <0.00398 UF2F1 0.05536 F1 mg/Kg 28 0.0996 o-Xylene <0.00199 UF1 0.03182 F1 mg/Kg 32 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-2941-1 MSD Client Sample ID: H-1 (0"-6")

Matrix: Solid

Analysis Batch: 3978

Prep Type: Total/NA

Prep Batch: 3959

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.0992	0.07327		mg/Kg		74	70 - 130	17	35
Toluene	<0.00199	U F1	0.0992	0.05150	F1	mg/Kg		52	70 - 130	28	35
Ethylbenzene	<0.00199	U F2 F1	0.0992	0.03886	F2 F1	mg/Kg		39	70 - 130	37	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.198	0.08115	F2 F1	mg/Kg		41	70 - 130	38	35
o-Xylene	<0.00199	U F1	0.0992	0.04400	F1	mg/Kg		44	70 - 130	32	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	111	70 - 130

Lab Sample ID: MB 880-3975/5-A

Matrix: Solid

Analysis Batch: 3977

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3975

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 16:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 16:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 16:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/21 13:04	06/10/21 16:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/21 13:04	06/10/21 16:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/21 13:04	06/10/21 16:47	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/10/21 13:04	06/10/21 16:47	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	06/10/21 13:04	06/10/21 16:47	1
1.4-Difluorobenzene (Surr)	82		70 - 130	06/10/21 13:04	06/10/21 16:47	1

Lab Sample ID: LCS 880-3975/1-A

Matrix: Solid

Analysis Batch: 3977

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3975

	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.09431		mg/Kg		94	70 - 130		
Toluene	0.100	0.09645		mg/Kg		96	70 _ 130		

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Job ID: 880-2941-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB SDG: Lea County, NM

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

Lab Sample ID: LCS 880-3975/1-A **Matrix: Solid**

Analysis Batch: 3977

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

Prep Batch: 3975

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Ethylbenzene 0.100 0.1067 107 70 - 130 mg/Kg m-Xylene & p-Xylene 0.200 0.1918 mg/Kg 96 70 - 130 0.100 o-Xylene 0.09653 mg/Kg 97 70 - 130

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3975

RPD

Spike LCSD LCSD %Rec. Added Result Qualifier Limits RPD Limit Analyte Unit %Rec 0.100 0.09340 Benzene mg/Kg 93 70 - 130 35 Toluene 0.100 0.08747 87 mg/Kg 70 - 130 10 35 Ethylbenzene 0.100 0.1053 mg/Kg 105 70 - 130 35 0.200 0.1895 70 - 130 35 m-Xylene & p-Xylene mg/Kg 95 0.100 0.09521 95 70 - 130 o-Xylene mg/Kg

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	93	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 880-2941-21 MS

Lab Sample ID: LCSD 880-3975/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 3977

Analysis Batch: 3977

Client Sample ID: AH-5 (0'-1')

Prep Type: Total/NA

Prep Batch: 3975

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.0998	0.06852	F1	mg/Kg		69	70 - 130	
Toluene	<0.00200	U F1	0.0998	0.05923	F1	mg/Kg		59	70 - 130	
Ethylbenzene	<0.00200	U F1	0.0998	0.05386	F1	mg/Kg		54	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1018	F1	mg/Kg		51	70 - 130	
o-Xylene	<0.00200	U F1	0.0998	0.05138	F1	mg/Kg		51	70 - 130	

MS MS

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

Lab Sample ID: 880-2941-21 MSD

Matrix: Solid

Analysis Batch: 3977

Client	Sample	ID: AH-5	(0'-1')

Prep Type: Total/NA

Prep Batch: 3975

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1	0.100	0.06724	F1	mg/Kg		67	70 - 130	2	35
Toluene	<0.00200	U F1	0.100	0.05721	F1	mg/Kg		57	70 - 130	3	35
Ethylbenzene	<0.00200	U F1	0.100	0.04353	F1	mg/Kg		43	70 - 130	21	35
m-Xylene & p-Xylene	<0.00399	U F1	0.201	0.08011	F1	mg/Kg		40	70 - 130	24	35
o-Xylene	<0.00200	U F1	0.100	0.04302	F1	mg/Kg		42	70 - 130	18	35

Client: Tetra Tech, Inc. Job ID: 880-2941-1 SDG: Lea County, NM Project/Site: Caballo Section 23 TB

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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

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

Lab Sample ID:	MB	880-3984/1-A
Matrix: Solid		

Analysis Batch: 4067

Client	Sample	ID:	Metho	od B	lank
	D.		Tunar	Tota	I/NI A

Prep Type: Total/NA Prep Batch: 3984

	MB	MR							
•	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
e Range Organics	<50.0	U	50.0		mg/Kg		06/10/21 13:53	06/13/21 13:58	1
C6-C10									
Range Organics (Over	<50.0	U	50.0		mg/Kg		06/10/21 13:53	06/13/21 13:58	1
8)									
ge Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/21 13:53	06/13/21 13:58	1
PH	<50.0	U	50.0		mg/Kg		06/10/21 13:53	06/13/21 13:58	1
	e Range Organics C6-C10 Range Organics (Over 8) ge Organics (Over C28-C36)	Result e Range Organics <50.0	e Range Organics <50.0 U C6-C10 Range Organics (Over <50.0 U 8) ge Organics (Over C28-C36) <50.0 U	Result Qualifier RL e Range Organics <50.0	Result Qualifier RL MDL e Range Organics <50.0	Result Qualifier RL MDL Unit e Range Organics <50.0	Result Qualifier RL MDL Unit D e Range Organics <50.0	Result Qualifier RL MDL Unit D Prepared e Range Organics <50.0	Result Qualifier RL MDL Unit D Prepared Analyzed e Range Organics <50.0

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/10/21 13:53	06/13/21 13:58	1
o-Terphenyl	85		70 - 130	06/10/21 13:53	06/13/21 13:58	1

Lab Sample ID: LCS 880-3984/2-A

Matrix: Solid

Analysis Batch: 4067

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

Prep Batch: 3984

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	889.1		mg/Kg		89	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	981.0		mg/Kg		98	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenvl	77		70 - 130

Lab Sample ID: LCSD 880-3984/3-A

Matrix: Solid

Analysis Batch: 4067

Client Sample ID: Lab Control Sample Du	Dup
---	-----

Prep Type: Total/NA

Prep Batch: 3984

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	938.2		mg/Kg		94	70 - 130	5	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	941.4		mg/Kg		94	70 - 130	4	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	92	70 - 130
o-Terphenyl	73	70 - 130

Job ID: 880-2941-1

SDG: Lea County, NM

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

Lab Sample ID: 880-2941-1 MS

Project/Site: Caballo Section 23 TB

Matrix: Solid

Analysis Batch: 4067

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

Prep Type: Total/NA Prep Batch: 3984

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	786.1		mg/Kg		79	70 - 130	
Diesel Range Organics (Over C10-C28)	1690		999	2618		mg/Kg		93	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: 880-2941-1 MSD Client Sample ID: H-1 (0"-6") Prep Type: Total/NA

998

Matrix: Solid

(GRO)-C6-C10

Analysis Batch: 4067									Pro	ep Batch	: 3984
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.8	U	998	793.0		mg/Kg		79	70 - 130	1	20

2709

Diesel Range Organics (Over 1690 C10-C28)

MSD MSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 94 70 - 130 o-Terphenyl 74 70 - 130

Lab Sample ID: MB 880-3985/1-A

Matrix: Solid

Analysis Batch: 4069

Client Sample ID: Method Blank

70 - 130

102

Prep Type: Total/NA Prep Batch: 3985

3

mg/Kg

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/10/21 14:13	06/13/21 13:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/10/21 14:13	06/13/21 13:58	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/21 14:13	06/13/21 13:58	1
Total TPH	<50.0	U	50.0		mg/Kg		06/10/21 14:13	06/13/21 13:58	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/10/21 14:13	06/13/21 13:58	1
o-Terphenyl	103		70 - 130	06/10/21 14:13	06/13/21 13:58	1

Lab Sample ID: LCS 880-3985/2-A

Matrix: Solid

Analysis Batch: 4069

Client Sample ID: Lab	Control Sample
-----------------------	----------------

Prep Type: Total/NA Prep Batch: 3985

	Spike	: LCS	LCS			%Rec.	
Analyte	Adde	i Result	Qualifier Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	752.2	mg/Kg		75	70 - 130	
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	909.2	mg/Kg		91	70 - 130	
C10-C28)							

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20

Job ID: 880-2941-1

SDG: Lea County, NM

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

Lab Sample ID: LCS 880-3985/2-A

Project/Site: Caballo Section 23 TB

Matrix: Solid

Analysis Batch: 4069

Client: Tetra Tech, Inc.

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3985

LCS LCS

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 84 70 - 130 o-Terphenyl 82 70 - 130

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-3985/3-A **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 4069** Prep Batch: 3985

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 788.9 79 70 - 130 5 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 961.9 mg/Kg 96 70 - 1306 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	90	70 - 130
o-Terphenyl	83	70 - 130

Client Sample ID: AH-5 (0'-1')

Prep Type: Total/NA

Prep Batch: 3985

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.8	U	999	990.2		mg/Kg		98	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	5280		999	5913	4	mg/Kg		64	70 - 130	
C10-C28)										

C10-C28)

Matrix: Solid

Analysis Batch: 4069

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 103 o-Terphenyl 79 70 - 130

Lab Sample ID: 880-2941-21 MSD Client Sample ID: AH-5 (0'-1')

Matrix: Solid

Analysis Batch: 4069

Lab Sample ID: 880-2941-21 MS

Prep Type: Total/NA Prep Batch: 3985

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<49.8	U	998	933.6		mg/Kg		92	70 - 130	6	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	5280		998	5412	4	mg/Kg		14	70 - 130	9	20	
C40 C20)												

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	81		70 - 130

Job ID: 880-2941-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB SDG: Lea County, NM

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

Lab Sample ID: MB 880-4077/1-A

Matrix: Solid

Analysis Batch: 4078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4077

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	113.4		50.0		mg/Kg		06/14/21 09:58	06/14/21 12:20	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/14/21 09:58	06/14/21 12:20	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:58	06/14/21 12:20	1
Total TPH	113.4		50.0		mg/Kg		06/14/21 09:58	06/14/21 12:20	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/14/21 09:	58 06/14/21 12:20	1
o-Terphenyl	83		70 - 130	06/14/21 09:	58 06/14/21 12:20	1

Lab Sample ID: LCS 880-4077/2-A

Matrix: Solid **Analysis Batch: 4078** **Client Sample ID: Lab Control Sample**

Prep Type: Total/NA

Prep Batch: 4077

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 869.0 87 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 842.6 mg/Kg 84 70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: LCSD 880-4077/3-A

Matrix: Solid

Analysis Batch: 4078

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4077

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	823.3		mg/Kg		82	70 - 130	5	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	868.0		mg/Kg		87	70 - 130	3	20	
0.10 0.00										

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	74		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3979/1-A

Matrix: Solid

Analysis Batch: 4013

Client Sample ID: Method Blank

Prep Type: Soluble

MB MB

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride 5.00 <5.00 U mg/Kg 06/11/21 15:16

Job ID: 880-2941-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB

SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-3979/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4013

Spike LCS LCS %Rec. Analyte Added Result Qualifier %Rec Limits Unit D Chloride 250 245.0 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-3979/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4013

Spike LCSD LCSD %Rec. RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 245.5 mg/Kg 90 - 110 0

Lab Sample ID: 880-2941-21 MS Client Sample ID: AH-5 (0'-1') **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4013

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Chloride 6810 F1 2500 10080 F1 mg/Kg 131 90 - 110

Lab Sample ID: 880-2941-21 MSD Client Sample ID: AH-5 (0'-1') **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4013

Sample Sample MSD MSD RPD Spike %Rec. Result Qualifier Added Qualifier %Rec RPD Limit Analyte Result Unit Limits Chloride 6810 2500 10100 F1 132 90 - 110 20 mg/Kg

Lab Sample ID: 880-2941-31 MS Client Sample ID: AH-7 (0'-1') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4013

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 2350 1250 3576 mg/Kg 98 90 - 110

Lab Sample ID: 880-2941-31 MSD Client Sample ID: AH-7 (0'-1') **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4013

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit Chloride 2350 1250 3578 mg/Kg 90 - 110

Lab Sample ID: MB 880-4110/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4122

мв мв Dil Fac Result Qualifier RL MDL Analyte Unit Prepared Analyzed Chloride <5.00 5.00 mg/Kg 06/15/21 11:32

Lab Sample ID: LCS 880-4110/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4122

7 manyono Batom 1122								
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	243.0		mg/Kg		97	90 - 110	

Job ID: 880-2941-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB

SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-4110/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4122

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 242.4 mg/Kg 97 90 - 110

Lab Sample ID: 880-2941-1 MS Client Sample ID: H-1 (0"-6")

Matrix: Solid Prep Type: Soluble

Analysis Batch: 4122

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 119 253 367.5 mg/Kg 98 90 - 110

Lab Sample ID: 880-2941-1 MSD Client Sample ID: H-1 (0"-6")

Matrix: Solid Prep Type: Soluble

Analysis Batch: 4122

MSD MSD %Rec. RPD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 119 253 370.7 100 90 - 110 mg/Kg

Lab Sample ID: 880-2941-11 MS Client Sample ID: AH-2 (1'-1.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4122

MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added Qualifier Unit %Rec Result Limits Chloride 1410 1240 2633 90 - 110 mg/Kg

Lab Sample ID: 880-2941-11 MSD Client Sample ID: AH-2 (1'-1.5') **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4122

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 1240 1410 2622 mg/Kg 98 90 - 110 0 20

QC Association Summary

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

GC VOA

Prep Batch: 3959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-2941-1	H-1 (0"-6")	Total/NA	Solid	5035	
880-2941-2	H-2 (0"-6")	Total/NA	Solid	5035	
880-2941-3	H-3 (0"-6")	Total/NA	Solid	5035	
880-2941-4	H-4 (0"-6")	Total/NA	Solid	5035	
880-2941-5	H-5 (0"-6")	Total/NA	Solid	5035	
880-2941-6	H-6 (0"-6")	Total/NA	Solid	5035	
880-2941-7	AH-1 (0'-1')	Total/NA	Solid	5035	
880-2941-8	AH-1 (1'-1.5')	Total/NA	Solid	5035	
880-2941-9	AH-1 (2'-2.5')	Total/NA	Solid	5035	
880-2941-10	AH-1 (3'-3.5')	Total/NA	Solid	5035	
880-2941-11	AH-2 (1'-1.5')	Total/NA	Solid	5035	
880-2941-12	AH-2 (2'-2.5')	Total/NA	Solid	5035	
880-2941-13	AH-2 (3'-3.5')	Total/NA	Solid	5035	
880-2941-14	AH-3 (0'-1')	Total/NA	Solid	5035	
880-2941-15	AH-3 (1'-1.5')	Total/NA	Solid	5035	
880-2941-16	AH-3 (2-'2.5')	Total/NA	Solid	5035	
880-2941-17	AH-3 (3'-3.5')	Total/NA	Solid	5035	
880-2941-18	AH-4 (0'-1')	Total/NA	Solid	5035	
880-2941-19	AH-4 (1'-1.5')	Total/NA	Solid	5035	
880-2941-20	AH-4 (2'-2.5')	Total/NA	Solid	5035	
MB 880-3959/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3959/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3959/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2941-1 MS	H-1 (0"-6")	Total/NA	Solid	5035	
880-2941-1 MSD	H-1 (0"-6")	Total/NA	Solid	5035	

Prep Batch: 3975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-2941-21	AH-5 (0'-1')	Total/NA	Solid	5035	
880-2941-22	AH-5 (1'-1.5')	Total/NA	Solid	5035	
380-2941-23	AH-5 (2'-2.5')	Total/NA	Solid	5035	
380-2941-24	AH-5 (3'-3.5')	Total/NA	Solid	5035	
880-2941-25	AH-5 (4'-4.5")	Total/NA	Solid	5035	
880-2941-26	AH-6 (0'-1')	Total/NA	Solid	5035	
880-2941-27	AH-6 (1'-1.5')	Total/NA	Solid	5035	
380-2941-28	AH-6 (2'-2.5')	Total/NA	Solid	5035	
880-2941-29	AH-6 (3'-3.5')	Total/NA	Solid	5035	
880-2941-30	AH-2 (0'-1')	Total/NA	Solid	5035	
380-2941-31	AH-7 (0'-1')	Total/NA	Solid	5035	
380-2941-32	AH-7 (1'-1.5')	Total/NA	Solid	5035	
MB 880-3975/5-A	Method Blank	Total/NA	Solid	5035	
_CS 880-3975/1-A	Lab Control Sample	Total/NA	Solid	5035	
_CSD 880-3975/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
380-2941-21 MS	AH-5 (0'-1')	Total/NA	Solid	5035	
880-2941-21 MSD	AH-5 (0'-1')	Total/NA	Solid	5035	

Analysis Batch: 3977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-21	AH-5 (0'-1')	Total/NA	Solid	8021B	3975
880-2941-22	AH-5 (1'-1.5')	Total/NA	Solid	8021B	3975
880-2941-23	AH-5 (2'-2.5')	Total/NA	Solid	8021B	3975

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QC Association Summary

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 3977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-24	AH-5 (3'-3.5')	Total/NA	Solid	8021B	3975
880-2941-25	AH-5 (4'-4.5")	Total/NA	Solid	8021B	3975
880-2941-26	AH-6 (0'-1')	Total/NA	Solid	8021B	3975
880-2941-27	AH-6 (1'-1.5')	Total/NA	Solid	8021B	3975
880-2941-28	AH-6 (2'-2.5')	Total/NA	Solid	8021B	3975
880-2941-29	AH-6 (3'-3.5')	Total/NA	Solid	8021B	3975
880-2941-30	AH-2 (0'-1')	Total/NA	Solid	8021B	3975
880-2941-31	AH-7 (0'-1')	Total/NA	Solid	8021B	3975
880-2941-32	AH-7 (1'-1.5')	Total/NA	Solid	8021B	3975
MB 880-3975/5-A	Method Blank	Total/NA	Solid	8021B	3975
LCS 880-3975/1-A	Lab Control Sample	Total/NA	Solid	8021B	3975
LCSD 880-3975/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3975
880-2941-21 MS	AH-5 (0'-1')	Total/NA	Solid	8021B	3975
880-2941-21 MSD	AH-5 (0'-1')	Total/NA	Solid	8021B	3975

Analysis Batch: 3978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-2941-1	H-1 (0"-6")	Total/NA	Solid	8021B	3959
880-2941-2	H-2 (0"-6")	Total/NA	Solid	8021B	3959
880-2941-3	H-3 (0"-6")	Total/NA	Solid	8021B	3959
880-2941-4	H-4 (0"-6")	Total/NA	Solid	8021B	3959
880-2941-5	H-5 (0"-6")	Total/NA	Solid	8021B	3959
880-2941-6	H-6 (0"-6")	Total/NA	Solid	8021B	3959
880-2941-7	AH-1 (0'-1')	Total/NA	Solid	8021B	3959
880-2941-8	AH-1 (1'-1.5')	Total/NA	Solid	8021B	3959
880-2941-9	AH-1 (2'-2.5')	Total/NA	Solid	8021B	3959
880-2941-10	AH-1 (3'-3.5')	Total/NA	Solid	8021B	3959
880-2941-11	AH-2 (1'-1.5')	Total/NA	Solid	8021B	3959
880-2941-12	AH-2 (2'-2.5')	Total/NA	Solid	8021B	3959
880-2941-13	AH-2 (3'-3.5')	Total/NA	Solid	8021B	3959
880-2941-14	AH-3 (0'-1')	Total/NA	Solid	8021B	3959
880-2941-15	AH-3 (1'-1.5')	Total/NA	Solid	8021B	3959
880-2941-16	AH-3 (2-'2.5')	Total/NA	Solid	8021B	3959
880-2941-17	AH-3 (3'-3.5')	Total/NA	Solid	8021B	3959
880-2941-18	AH-4 (0'-1')	Total/NA	Solid	8021B	3959
880-2941-19	AH-4 (1'-1.5')	Total/NA	Solid	8021B	3959
880-2941-20	AH-4 (2'-2.5')	Total/NA	Solid	8021B	3959
MB 880-3959/5-A	Method Blank	Total/NA	Solid	8021B	3959
LCS 880-3959/1-A	Lab Control Sample	Total/NA	Solid	8021B	3959
LCSD 880-3959/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3959
880-2941-1 MS	H-1 (0"-6")	Total/NA	Solid	8021B	3959
880-2941-1 MSD	H-1 (0"-6")	Total/NA	Solid	8021B	3959

GC Semi VOA

Prep Batch: 3984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-1	H-1 (0"-6")	Total/NA	Solid	8015NM Prep	
880-2941-2	H-2 (0"-6")	Total/NA	Solid	8015NM Prep	
880-2941-3	H-3 (0"-6")	Total/NA	Solid	8015NM Prep	
880-2941-4	H-4 (0"-6")	Total/NA	Solid	8015NM Prep	

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 3984 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-5	H-5 (0"-6")	Total/NA	Solid	8015NM Prep	
880-2941-6	H-6 (0"-6")	Total/NA	Solid	8015NM Prep	
880-2941-7	AH-1 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2941-8	AH-1 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2941-9	AH-1 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2941-10	AH-1 (3'-3.5')	Total/NA	Solid	8015NM Prep	
880-2941-11	AH-2 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2941-12	AH-2 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2941-13	AH-2 (3'-3.5')	Total/NA	Solid	8015NM Prep	
880-2941-14	AH-3 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2941-15	AH-3 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2941-16	AH-3 (2-'2.5')	Total/NA	Solid	8015NM Prep	
880-2941-17	AH-3 (3'-3.5')	Total/NA	Solid	8015NM Prep	
880-2941-18	AH-4 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2941-19	AH-4 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2941-20	AH-4 (2'-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-3984/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3984/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3984/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2941-1 MS	H-1 (0"-6")	Total/NA	Solid	8015NM Prep	
880-2941-1 MSD	H-1 (0"-6")	Total/NA	Solid	8015NM Prep	

Prep Batch: 3985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-2941-21	AH-5 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2941-22	AH-5 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2941-23	AH-5 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2941-24	AH-5 (3'-3.5')	Total/NA	Solid	8015NM Prep	
880-2941-25	AH-5 (4'-4.5")	Total/NA	Solid	8015NM Prep	
880-2941-26	AH-6 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2941-27	AH-6 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2941-28	AH-6 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2941-29	AH-6 (3'-3.5')	Total/NA	Solid	8015NM Prep	
880-2941-30	AH-2 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2941-31	AH-7 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2941-32	AH-7 (1'-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-3985/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3985/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3985/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2941-21 MS	AH-5 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2941-21 MSD	AH-5 (0'-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4067

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-1	H-1 (0"-6")	Total/NA	Solid	8015B NM	3984
880-2941-2	H-2 (0"-6")	Total/NA	Solid	8015B NM	3984
880-2941-3	H-3 (0"-6")	Total/NA	Solid	8015B NM	3984
880-2941-4	H-4 (0"-6")	Total/NA	Solid	8015B NM	3984
880-2941-5	H-5 (0"-6")	Total/NA	Solid	8015B NM	3984
880-2941-6	H-6 (0"-6")	Total/NA	Solid	8015B NM	3984
880-2941-7	AH-1 (0'-1')	Total/NA	Solid	8015B NM	3984

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Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 4067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-8	AH-1 (1'-1.5')	Total/NA	Solid	8015B NM	3984
880-2941-9	AH-1 (2'-2.5')	Total/NA	Solid	8015B NM	3984
880-2941-10	AH-1 (3'-3.5')	Total/NA	Solid	8015B NM	3984
880-2941-11	AH-2 (1'-1.5')	Total/NA	Solid	8015B NM	3984
880-2941-12	AH-2 (2'-2.5')	Total/NA	Solid	8015B NM	3984
880-2941-13	AH-2 (3'-3.5')	Total/NA	Solid	8015B NM	3984
880-2941-14	AH-3 (0'-1')	Total/NA	Solid	8015B NM	3984
880-2941-15	AH-3 (1'-1.5')	Total/NA	Solid	8015B NM	3984
880-2941-16	AH-3 (2-'2.5')	Total/NA	Solid	8015B NM	3984
880-2941-17	AH-3 (3'-3.5')	Total/NA	Solid	8015B NM	3984
880-2941-18	AH-4 (0'-1')	Total/NA	Solid	8015B NM	3984
880-2941-19	AH-4 (1'-1.5')	Total/NA	Solid	8015B NM	3984
880-2941-20	AH-4 (2'-2.5')	Total/NA	Solid	8015B NM	3984
MB 880-3984/1-A	Method Blank	Total/NA	Solid	8015B NM	3984
LCS 880-3984/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3984
LCSD 880-3984/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3984
880-2941-1 MS	H-1 (0"-6")	Total/NA	Solid	8015B NM	3984
880-2941-1 MSD	H-1 (0"-6")	Total/NA	Solid	8015B NM	3984

Analysis Batch: 4069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-21	AH-5 (0'-1')	Total/NA	Solid	8015B NM	3985
880-2941-22	AH-5 (1'-1.5')	Total/NA	Solid	8015B NM	3985
880-2941-23	AH-5 (2'-2.5')	Total/NA	Solid	8015B NM	3985
880-2941-24	AH-5 (3'-3.5')	Total/NA	Solid	8015B NM	3985
880-2941-25	AH-5 (4'-4.5")	Total/NA	Solid	8015B NM	3985
880-2941-26	AH-6 (0'-1')	Total/NA	Solid	8015B NM	3985
880-2941-27	AH-6 (1'-1.5')	Total/NA	Solid	8015B NM	3985
880-2941-28	AH-6 (2'-2.5')	Total/NA	Solid	8015B NM	3985
880-2941-29	AH-6 (3'-3.5')	Total/NA	Solid	8015B NM	3985
880-2941-30	AH-2 (0'-1')	Total/NA	Solid	8015B NM	3985
880-2941-31	AH-7 (0'-1')	Total/NA	Solid	8015B NM	3985
880-2941-32	AH-7 (1'-1.5')	Total/NA	Solid	8015B NM	3985
MB 880-3985/1-A	Method Blank	Total/NA	Solid	8015B NM	3985
LCS 880-3985/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3985
LCSD 880-3985/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3985
880-2941-21 MS	AH-5 (0'-1')	Total/NA	Solid	8015B NM	3985
880-2941-21 MSD	AH-5 (0'-1')	Total/NA	Solid	8015B NM	3985

Prep Batch: 4077

Lab Sample ID MB 880-4077/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method I 8015NM Prep	Prep Batch
LCS 880-4077/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4077/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4077/1-A	Method Blank	Total/NA	Solid	8015B NM	4077
LCS 880-4077/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4077
LCSD 880-4077/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4077

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

HPLC/IC

Leach Batch: 3979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-21	AH-5 (0'-1')	Soluble	Solid	DI Leach	
880-2941-22	AH-5 (1'-1.5')	Soluble	Solid	DI Leach	
880-2941-23	AH-5 (2'-2.5')	Soluble	Solid	DI Leach	
880-2941-24	AH-5 (3'-3.5')	Soluble	Solid	DI Leach	
880-2941-25	AH-5 (4'-4.5")	Soluble	Solid	DI Leach	
880-2941-26	AH-6 (0'-1')	Soluble	Solid	DI Leach	
880-2941-27	AH-6 (1'-1.5')	Soluble	Solid	DI Leach	
880-2941-28	AH-6 (2'-2.5')	Soluble	Solid	DI Leach	
880-2941-29	AH-6 (3'-3.5')	Soluble	Solid	DI Leach	
880-2941-30	AH-2 (0'-1')	Soluble	Solid	DI Leach	
880-2941-31	AH-7 (0'-1')	Soluble	Solid	DI Leach	
880-2941-32	AH-7 (1'-1.5')	Soluble	Solid	DI Leach	
MB 880-3979/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3979/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3979/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2941-21 MS	AH-5 (0'-1')	Soluble	Solid	DI Leach	
880-2941-21 MSD	AH-5 (0'-1')	Soluble	Solid	DI Leach	
880-2941-31 MS	AH-7 (0'-1')	Soluble	Solid	DI Leach	
880-2941-31 MSD	AH-7 (0'-1')	Soluble	Solid	DI Leach	

Analysis Batch: 4013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-21	AH-5 (0'-1')	Soluble	Solid	300.0	3979
880-2941-22	AH-5 (1'-1.5')	Soluble	Solid	300.0	3979
880-2941-23	AH-5 (2'-2.5')	Soluble	Solid	300.0	3979
880-2941-24	AH-5 (3'-3.5')	Soluble	Solid	300.0	3979
880-2941-25	AH-5 (4'-4.5")	Soluble	Solid	300.0	3979
880-2941-26	AH-6 (0'-1')	Soluble	Solid	300.0	3979
880-2941-27	AH-6 (1'-1.5')	Soluble	Solid	300.0	3979
880-2941-28	AH-6 (2'-2.5')	Soluble	Solid	300.0	3979
880-2941-29	AH-6 (3'-3.5')	Soluble	Solid	300.0	3979
880-2941-30	AH-2 (0'-1')	Soluble	Solid	300.0	3979
880-2941-31	AH-7 (0'-1')	Soluble	Solid	300.0	3979
880-2941-32	AH-7 (1'-1.5')	Soluble	Solid	300.0	3979
MB 880-3979/1-A	Method Blank	Soluble	Solid	300.0	3979
LCS 880-3979/2-A	Lab Control Sample	Soluble	Solid	300.0	3979
LCSD 880-3979/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3979
880-2941-21 MS	AH-5 (0'-1')	Soluble	Solid	300.0	3979
880-2941-21 MSD	AH-5 (0'-1')	Soluble	Solid	300.0	3979
880-2941-31 MS	AH-7 (0'-1')	Soluble	Solid	300.0	3979
880-2941-31 MSD	AH-7 (0'-1')	Soluble	Solid	300.0	3979

Leach Batch: 4110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-1	H-1 (0"-6")	Soluble	Solid	DI Leach	
880-2941-2	H-2 (0"-6")	Soluble	Solid	DI Leach	
880-2941-3	H-3 (0"-6")	Soluble	Solid	DI Leach	
880-2941-4	H-4 (0"-6")	Soluble	Solid	DI Leach	
880-2941-5	H-5 (0"-6")	Soluble	Solid	DI Leach	
880-2941-6	H-6 (0"-6")	Soluble	Solid	DI Leach	
880-2941-7	AH-1 (0'-1')	Soluble	Solid	DI Leach	

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Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Leach Batch: 4110 (Continued)

Job ID: 880-2941-1 SDG: Lea County, NM

HPLC/IC (Continued)

Client Sample ID Lab Sample ID Method Prep Batch Prep Type Matrix 880-2941-8 AH-1 (1'-1.5') Soluble Solid DI Leach 880-2941-9 AH-1 (2'-2.5') Soluble Solid DI Leach Soluble 880-2941-10 AH-1 (3'-3.5') Solid DI Leach 880-2941-11 AH-2 (1'-1.5') Soluble Solid DI Leach 880-2941-12 Soluble Solid DI Leach AH-2 (2'-2.5') 880-2941-13 AH-2 (3'-3.5') Soluble Solid DI Leach 880-2941-14 AH-3 (0'-1') Soluble Solid DI Leach 880-2941-15 Soluble Solid DI Leach AH-3 (1'-1.5') 880-2941-16 AH-3 (2-'2.5') Soluble Solid DI Leach Solid 880-2941-17 AH-3 (3'-3.5') Soluble DI Leach 880-2941-18 AH-4 (0'-1') Soluble Solid DI Leach Soluble Solid DI Leach 880-2941-19 AH-4 (1'-1.5') 880-2941-20 AH-4 (2'-2.5') Soluble Solid DI Leach MB 880-4110/1-A Method Blank Soluble Solid DI Leach LCS 880-4110/2-A Lab Control Sample Soluble Solid DI Leach LCSD 880-4110/3-A Lab Control Sample Dup Soluble Solid DI Leach

Soluble

Soluble

Soluble

Soluble

Solid

Solid

Solid

Solid

DI Leach

DI Leach

DI Leach

DI Leach

H-1 (0"-6")

H-1 (0"-6")

AH-2 (1'-1.5')

AH-2 (1'-1.5')

880-2941-1 MS

880-2941-1 MSD

880-2941-11 MS

880-2941-11 MSD

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2941-1	H-1 (0"-6")	Soluble	Solid	300.0	4110
880-2941-2	H-2 (0"-6")	Soluble	Solid	300.0	4110
880-2941-3	H-3 (0"-6")	Soluble	Solid	300.0	4110
880-2941-4	H-4 (0"-6")	Soluble	Solid	300.0	4110
880-2941-5	H-5 (0"-6")	Soluble	Solid	300.0	4110
880-2941-6	H-6 (0"-6")	Soluble	Solid	300.0	4110
880-2941-7	AH-1 (0'-1')	Soluble	Solid	300.0	4110
880-2941-8	AH-1 (1'-1.5')	Soluble	Solid	300.0	4110
880-2941-9	AH-1 (2'-2.5')	Soluble	Solid	300.0	4110
80-2941-10	AH-1 (3'-3.5')	Soluble	Solid	300.0	4110
880-2941-11	AH-2 (1'-1.5')	Soluble	Solid	300.0	4110
80-2941-12	AH-2 (2'-2.5')	Soluble	Solid	300.0	4110
80-2941-13	AH-2 (3'-3.5')	Soluble	Solid	300.0	4110
880-2941-14	AH-3 (0'-1')	Soluble	Solid	300.0	4110
880-2941-15	AH-3 (1'-1.5')	Soluble	Solid	300.0	4110
80-2941-16	AH-3 (2-'2.5')	Soluble	Solid	300.0	4110
880-2941-17	AH-3 (3'-3.5')	Soluble	Solid	300.0	4110
880-2941-18	AH-4 (0'-1')	Soluble	Solid	300.0	4110
80-2941-19	AH-4 (1'-1.5')	Soluble	Solid	300.0	4110
880-2941-20	AH-4 (2'-2.5')	Soluble	Solid	300.0	4110
/IB 880-4110/1-A	Method Blank	Soluble	Solid	300.0	4110
CS 880-4110/2-A	Lab Control Sample	Soluble	Solid	300.0	4110
.CSD 880-4110/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4110
880-2941-1 MS	H-1 (0"-6")	Soluble	Solid	300.0	4110
880-2941-1 MSD	H-1 (0"-6")	Soluble	Solid	300.0	4110
880-2941-11 MS	AH-2 (1'-1.5')	Soluble	Solid	300.0	4110
380-2941-11 MSD	AH-2 (1'-1.5')	Soluble	Solid	300.0	4110

Client Sample ID: H-1 (0"-6") Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 16:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 15:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 11:48	CH	XEN MID

Lab Sample ID: 880-2941-2

Matrix: Solid

Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

Client Sample ID: H-2 (0"-6")

Batch

Batch

Analyst Lab KL XEN MID XEN MID KL DM XEN MID XEN MID ΑJ

Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Total/NA Prep 5035 5.02 g 5 mL 3959 06/10/21 13:00 Total/NA 8021B Analysis 5 mL 5 mL 3978 06/10/21 17:12 1 Total/NA Prep 8015NM Prep 10.04 g 10 mL 3984 06/10/21 13:53 Total/NA 8015B NM Analysis 4067 06/13/21 16:04 XEN MID Soluble Leach DI Leach 4.98 g 50 mL 4110 06/15/21 09:17 СН 300.0 Soluble Analysis 1 4122 06/15/21 12:05 CH XEN MID

Initial

Final

Batch

Prepared

Dil

Client Sample ID: H-3 (0"-6") Lab Sample ID: 880-2941-3

Matrix: Solid

Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 17:33	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 16:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 12:10	CH	XEN MID

Client Sample ID: H-4 (0"-6") Lab Sample ID: 880-2941-4

Date Collected: 06/03/21 00:00 Matrix: Solid Date Received: 06/10/21 12:09

	Batch	Batch	Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 17:53	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 16:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 12:16	CH	XEN MID

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Lab Sample ID: 880-2941-6

Lab Sample ID: 880-2941-7

Matrix: Solid

Matrix: Solid

Client Sample ID: H-5 (0"-6")

Lab Sample ID: 880-2941-5

Date Collected: 06/03/21 00:00 Matrix: Solid
Date Received: 06/10/21 12:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 18:13	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 17:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 12:21	CH	XEN MID

Client Sample ID: H-6 (0"-6")

Date Collected: 06/03/21 00:00

Date Received: 06/10/21 12:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 18:34	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 17:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 12:38	CH	XEN MID

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

Date Collected: 06/03/21 00:00

Date Received: 06/10/21 12:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 18:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 17:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 12:43	CH	XEN MID

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

Released to Imaging: 6/29/2022 3:01:36 PM

Date Collected: 06/03/21 00:00

Date Received: 06/10/21 12:09

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 19:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 18:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 12:49	CH	XEN MID

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Lab Sample ID: 880-2941-8

Matrix: Solid

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Client Sample ID: AH-1 (2'-2.5')

Date Collected: 06/03/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 19:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 18:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 12:54	CH	XEN MID

Client Sample ID: AH-1 (3'-3.5')

Date Collected: 06/03/21 00:00

Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 19:55	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 13:00	CH	XEN MID

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

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 21:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 19:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	4110	06/15/21 09:17	СН	XEN MID
Soluble	Analysis	300.0		5			4122	06/15/21 13:05	CH	XEN MID

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

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lab Sample	ID: 880-2941-12
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Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 21:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 19:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 13:21	CH	XEN MID

Project/Site: Caballo Section 23 TB

Date Received: 06/10/21 12:09

Job ID: 880-2941-1 SDG: Lea County, NM

Lab Sample ID: 880-2941-13

Client Sample ID: AH-2 (3'-3.5') Date Collected: 06/04/21 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 21:58	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 20:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 13:27	CH	XEN MID

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

Date Collected: 06/04/21 00:00

Lab Sample ID: 880-2941-14 **Matrix: Solid**

Date Received: 06/10/21 12:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 22:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 20:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 13:43	CH	XEN MID

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

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-15

Matrix: Solid

	Batch	Batch		Dil	Initial	Batch Batch Dil Initial Final Batc	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 22:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3984	06/10/21 13:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 20:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 13:49	CH	XEN MID

Client Sample ID: AH-3 (2-'2.5')

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lab Sample ID:	880-2941-16
	Matrix: Solid

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 22:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3984	06/10/21 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 21:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 13:54	CH	XEN MID

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample	ID: 880-2941-17
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 23:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3984	06/10/21 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 21:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	4110	06/15/21 09:17	СН	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 14:00	CH	XEN MID

Lab Sample ID: 880-2941-18

Client Sample ID: AH-4 (0'-1') Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/10/21 23:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3984	06/10/21 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 21:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 14:05	CH	XEN MID

Client Sample ID: AH-4 (1'-1.5') Lab Sample ID: 880-2941-19

Matrix: Solid

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

	Batch	Batch		Dil	Initial	Final	Batch Prepared	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/11/21 00:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3984	06/10/21 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 22:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4110	06/15/21 09:17	СН	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 14:11	CH	XEN MID

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

Lab Sample ID: 880-2941-20

Matrix: Solid

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

_	Batch	atch Batch Dil Initial	Initial	Final	Batch	Prepared				
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3959	06/10/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3978	06/11/21 00:21	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3984	06/10/21 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/13/21 22:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4110	06/15/21 09:17	CH	XEN MID
Soluble	Analysis	300.0		1			4122	06/15/21 14:16	CH	XEN MID

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Client Sample ID: AH-5 (0'-1')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09 Lab Sample ID: 880-2941-21

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 17:12	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 15:01	AM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		10			4013	06/11/21 15:31	CH	XEN MID

Client Sample ID: AH-5 (1'-1.5')

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 17:37	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 16:04	AM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		5			4013	06/11/21 15:45	CH	XEN MID

Client Sample ID: AH-5 (2'-2.5')

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-23

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 18:02	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 16:24	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		5			4013	06/11/21 15:50	CH	XEN MID

Client Sample ID: AH-5 (3'-3.5')

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-24
Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 18:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 16:45	AM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		5			4013	06/11/21 15:55	CH	XEN MID

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Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

ab Cample ID: 800 2044 25

Client Sample ID: AH-5 (4'-4.5")

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09 Lab Sample ID: 880-2941-25

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 18:53	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 17:06	AM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		5			4013	06/11/21 16:00	CH	XEN MID

Lab Sample ID: 880-2941-26

Matrix: Solid

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

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

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.97 g 5 mL 3975 06/10/21 13:04 MR XEN MID Total/NA 8021B XEN MID Analysis 5 mL 5 mL 3977 06/10/21 19:18 MR 1 Total/NA Prep 8015NM Prep 10.04 g 10 mL XEN MID 3985 06/10/21 14:13 DM Total/NA 8015B NM XEN MID Analysis 4069 06/13/21 17:27 AMXEN MID Soluble Leach DI Leach 5.05 g 50 mL 3979 06/10/21 13:30 SC 300.0 Soluble Analysis 1 4013 06/11/21 16:15 CH XEN MID

Client Sample ID: AH-6 (1'-1.5')

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-27

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 19:43	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 17:48	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		1			4013	06/11/21 16:20	CH	XEN MID

Client Sample ID: AH-6 (2'-2.5')

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 20:08	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 18:09	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		1			4013	06/11/21 16:25	CH	XEN MID

Eurofins Xenco, Midland

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Lab Sample ID: 880-2941-28

Matrix: Solid

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1 SDG: Lea County, NM

Lab Sample ID: 880-2941-29

Client Sample ID: AH-6 (3'-3.5') Date Collected: 06/04/21 00:00 Matrix: Solid Date Received: 06/10/21 12:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 20:33	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 18:30	AM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		1			4013	06/11/21 16:30	CH	XEN MID

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

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09 Lab Sample ID: 880-2941-30 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 20:58	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 18:51	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		5			4013	06/11/21 16:35	CH	XEN MID

Client Sample ID: AH-7 (0'-1')

Date Collected: 06/04/21 00:00 Date Received: 06/10/21 12:09

Lab Sample ID: 880-2941-31 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 22:39	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 19:33	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		5			4013	06/11/21 16:39	CH	XEN MID

Client Sample ID: AH-7 (1'-1.5')

Date Collected: 06/04/21 00:00

Date Received: 06/10/21 12:09

Lab Sample ID:	880-2941-32
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	3975	06/10/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3977	06/10/21 23:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	3985	06/10/21 14:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/13/21 19:54	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3979	06/10/21 13:30	SC	XEN MID
Soluble	Analysis	300.0		5			4013	06/11/21 16:54	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-2941-1 Project/Site: Caballo Section 23 TB SDG: Lea County, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	LAP	T104704400-20-21	06-30-21
The following englished	and the street and the state of a second line.	Contabassion Constitution		
the agency does not of	• •	t the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for
• ,	• •	t the laboratory is not certifi Matrix	ed by the governing authority. This list ma	ay include analytes for
the agency does not of	fer certification.	•	, , ,	ay include analytes for

Method Summary

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-2941-1

SDG: Lea County, NM

Laboratory	
XEN MID	
XEN MID	

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 880-294	1-1
SDG: Lea County,	NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-2941-1	H-1 (0"-6")	Solid	06/03/21 00:00	06/10/21 12:09	
880-2941-2	H-2 (0"-6")	Solid	06/03/21 00:00	06/10/21 12:09	
880-2941-3	H-3 (0"-6")	Solid	06/03/21 00:00	06/10/21 12:09	
880-2941-4	H-4 (0"-6")	Solid	06/03/21 00:00	06/10/21 12:09	
880-2941-5	H-5 (0"-6")	Solid	06/03/21 00:00	06/10/21 12:09	
380-2941-6	H-6 (0"-6")	Solid	06/03/21 00:00	06/10/21 12:09	
380-2941-7	AH-1 (0'-1')	Solid	06/03/21 00:00	06/10/21 12:09	
380-2941-8	AH-1 (1'-1.5')	Solid	06/03/21 00:00	06/10/21 12:09	
380-2941-9	AH-1 (2'-2.5')	Solid	06/03/21 00:00	06/10/21 12:09	
380-2941-10	AH-1 (3'-3.5')	Solid	06/03/21 00:00	06/10/21 12:09	
880-2941-11	AH-2 (1'-1.5')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-12	AH-2 (2'-2.5')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-13	AH-2 (3'-3.5')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-14	AH-3 (0'-1')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-15	AH-3 (1'-1.5')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-16	AH-3 (2-'2.5')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-17	AH-3 (3'-3.5')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-18	AH-4 (0'-1')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-19	AH-4 (1'-1.5')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-20	AH-4 (2'-2.5')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-21	AH-5 (0'-1')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-22	AH-5 (1'-1.5')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-23	AH-5 (2'-2.5')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-24	AH-5 (3'-3.5')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-25	AH-5 (4'-4.5")	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-26	AH-6 (0'-1')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-27	AH-6 (1'-1.5')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-28	AH-6 (2'-2.5')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-29	AH-6 (3'-3.5')	Solid	06/04/21 00:00	06/10/21 12:09	
380-2941-30	AH-2 (0'-1')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-31	AH-7 (0'-1')	Solid	06/04/21 00:00	06/10/21 12:09	
880-2941-32	AH-7 (1'-1.5')	Solid	06/04/21 00:00	06/10/21 12:09	

		Relinquished by		Relinguished by	Colton Bickerstaff	Relinguished by										(LAB USE)	LAB#		Collillens	Receiving Laboratory	invoice to	Project Location (county, state)	Project Name	Circle Name		Analysis Re
		Date Time	Care	Date Time	6/10/21	1	AH-1 (3'-3 5')	AH-1 (2'-2 5')	AH-1 (1'-1 5')	AH-1 (0'-1')	H. (0" 6")	1-4 (O'-6")	H-3 (0"-6")	H-2 (0"-6")	H-1 (0"-6")		SAMPLE IDENTIFICATION			Eurofins Xenco	EOG, Attention Todd Wells	Lea County, New Mexico	Caballo Section 23 TB	EOG	Tetra Tech.	Analysis Request of Chain of Custody Record
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ELIVERED FEDEX UPS Tracking#	Special Report Limits or TRRP Report	Rush Charges Authorized] [×)	REMARKS	×	×	×	×	×	×	×	×	×		TOTAL ME TCLP M TCLP VC TCLP SE RCI GC/MS S GC/MS S PCB s 8 NORM PLM (As	etals blatile wol 8 Semi 082 /	Ag As E s platiles 3260B / Vol 82 608	624 270C/625	Pb Se			CIrcle or Specify Method N		986	Page
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		Relinquished by:	Relinquished by	Colton Bickerstaff	Relinquished by	Α	Α	Α	Α	A	A	A	Α	Þ	Α	(LAB USE)	LAB#		Comments	Receiving Laboratory	invoice to	(county, state)	Project Location	Project Name	Client Name		Analysis Req
		Date	Date	6/10/21	Date	AH-4 (2'-2 5')	AH-4 (1'-1 5')	AH-4 (0'-1')	AH-3 (3'-3 5')	AH-3 (2'-2 5')	AH-3 (1'-1 5')	AH-3 (0'-1')	AH-2 (3'-3 5')	AH-2 (2'-2 5')	AH-2 (1'-1 5')		SAMPLE IDENTIFICATION			Eurofins Xenco	EOG, Attention Todd Wells	Lea County, New Mexico	Caballo Section 23 TB	-	EOG	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-2941-1

SDG Number: Lea County, NM

List Source: Eurofins Xenco, Midland

Login Number: 2941 List Number: 1 Creator: Teel, Brianna

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.	False	No times on COC, logged in per container labels.
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 Xenco, Midland

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1384-1

Laboratory Sample Delivery Group: Lea County NM

Client Project/Site: Caballo Section 23 TB

For:

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

Attn: Clair Gonzales

MRAMER

Authorized for release by: 10/18/2021 1:58:29 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 6/29/2022 3:01:36 PM

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

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

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Client: Tetra Tech, Inc.

Laboratory Job ID: 890-1384-1

Project/Site: Caballo Section 23 TB

SDG: Lea County NM

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Definitions/Glossary

Job ID: 890-1384-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB

SDG: Lea County NM

Qualifiers

GC VOA Qualifier

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

Qualifier Description

S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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.

HPLC/IC

Qualifier **Qualifier Description**

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.

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

Percent Recovery %R 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

Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) **EDL** Limit of Detection (DoD/DOE) LOD 100 Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

Method Quantitation Limit

MDL Method Detection Limit Minimum Level (Dioxin) MPN Most Probable Number

NC Not Calculated

MQL

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)

RLReporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TFO

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

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Case Narrative

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Job ID: 890-1384-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1384-1

Receipt

The samples were received on 10/8/2021 12:01 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 5.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9107 and analytical batch 880-9282 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9120 and analytical batch 880-9368 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1) (890-1384-1), T-1 (1) (890-1384-2), T-1 (2) (890-1384-3), T-1 (3) (890-1384-4), T-2 (0-1) (890-1384-7), T-2 (1) (890-1384-8), T-2 (3) (890-1384-10), T-3 (0-1) (890-1384-12), T-3 (3) (890-1384-15), T-3 (4) (890-1384-16), T-3 (6) (890-1384-18), T-3 (7) (890-1384-19) and T-3 (8) (890-1384-20). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9121 and analytical batch 880-9391 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9190 and analytical batch 880-9180 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 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-3 (1) (890-1384-13). 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 880-9213 and analytical batch 880-9319 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 880-9212 and analytical batch 880-9318 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.

Project/Site: Caballo Section 23 TB Client Sample ID: T-1 (0-1)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Job ID: 890-1384-1

SDG: Lea County NM

Lab Sample ID: 890-1384-1

Matrix: Solid

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202		mg/Kg		10/11/21 10:30	10/13/21 23:55	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		10/11/21 10:30	10/13/21 23:55	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		10/11/21 10:30	10/13/21 23:55	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403		mg/Kg		10/11/21 10:30	10/13/21 23:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/13/21 23:55	1
Xylenes, Total	<0.00403	U F1	0.00403		mg/Kg		10/11/21 10:30	10/13/21 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				10/11/21 10:30	10/13/21 23:55	1
1,4-Difluorobenzene (Surr)	77		70 - 130				10/11/21 10:30	10/13/21 23:55	1
Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mothod: 9045 NM Diocol Pange	Organics (DB	O) (GC)							
Method: 8015 NM - Diesel Range Analyte		O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.5	<u> </u>	49.9		mg/Kg		<u> </u>	10/13/21 14:23	
- Method: 8015B NM - Diesel Rang									
MICHIOU. OU IOD MINI - DICSCI RAIIL	ge Organics (D	RO) (GC)							'
Analyte		RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared 10/11/21 10:32		
Analyte Gasoline Range Organics	Result	Qualifier U		MDL		<u>D</u>		Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u>D</u>	10/11/21 10:32	Analyzed 10/11/21 21:53	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 53.5	Qualifier U F1	49.9	MDL	mg/Kg	<u>D</u>	10/11/21 10:32 10/11/21 10:32	Analyzed 10/11/21 21:53	Dil Fac 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 53.5 <49.9	Qualifier U F1	49.9 49.9 49.9	MDL	mg/Kg	<u> </u>	10/11/21 10:32 10/11/21 10:32 10/11/21 10:32	Analyzed 10/11/21 21:53 10/11/21 21:53 10/11/21 21:53	Dil Fac 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U F1	49.9 49.9 49.9 Limits	MDL	mg/Kg	<u> </u>	10/11/21 10:32 10/11/21 10:32 10/11/21 10:32 Prepared	Analyzed 10/11/21 21:53 10/11/21 21:53 10/11/21 21:53 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U F1 U Qualifier	49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg	<u>D</u>	10/11/21 10:32 10/11/21 10:32 10/11/21 10:32 Prepared 10/11/21 10:32	Analyzed 10/11/21 21:53 10/11/21 21:53 10/11/21 21:53 Analyzed 10/11/21 21:53	Dil Fac 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U F1 U Qualifier	49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	10/11/21 10:32 10/11/21 10:32 10/11/21 10:32 Prepared 10/11/21 10:32	Analyzed 10/11/21 21:53 10/11/21 21:53 10/11/21 21:53 Analyzed 10/11/21 21:53	Dil Fac 1 1 1 Dil Fac 1

Client Sample ID: T-1 (1)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 00:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 00:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 00:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 00:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 00:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		S1+	70 - 130				10/11/21 10:30	10/14/21 00:16	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1384-2

Matrix: Solid

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-1 (1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-2 Matrix: Solid

10/11/21 10:32 10/11/21 22:57

Lab Sample ID: 890-1384-3

Matrix: Solid

Sample Depth: 1

Method: 8021B - Vol	atile Organic Cor	npounds (GC	(Continued)
	atilo organio coi		, (-

Surrogate	%Recovery Qual	lifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	73	70 - 130	10/11/21 10:30	10/14/21 00:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg				10/13/21 13:00	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/11/21 22:57	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/11/21 22:57	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/11/21 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

1-Chlorooctane	95	 70 - 130
o-Terphenyl	104	70 - 130

o-Terphenyl	104	70 - 130	10/11/21 10:32	10/11/21 22:57	1
Method: 300.0 - Anions, Ion Chromatograp	hy - Soluble				

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238	4.95	mg/Kg			10/12/21 19:52	1

Client Sample ID: T-1 (2)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

	(- - /							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 00:36	1
<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 00:36	1
<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 00:36	1
<0.00403	U	0.00403		mg/Kg		10/11/21 10:30	10/14/21 00:36	1
<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 00:36	1
<0.00403	U	0.00403		mg/Kg		10/11/21 10:30	10/14/21 00:36	1
Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
136	S1+	70 - 130				10/11/21 10:30	10/14/21 00:36	1
71		70 - 130				10/11/21 10:30	10/14/21 00:36	1
	Result <0.00202 <0.00202 <0.00202 <0.00403 <0.00202 <0.00403 6Recovery 136		Result Qualifier RL <0.00202	Result Qualifier RL MDL <0.00202	Result Qualifier RL MDL Unit <0.00202	Result Qualifier RL MDL Unit D <0.00202	Result Qualifier RL MDL Unit D Prepared <0.00202	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00202

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	0)	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00403	U	0.00403		ma/Ka				10/13/21 13:00	1

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

Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	n	ng/Kg			10/13/21 14:23	1

Project/Site: Caballo Section 23 TB

Client Sample ID: T-1 (2)

Lab Sample ID: 890-1384-3

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/11/21 23:19	1
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/11/21 23:19	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/11/21 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				10/11/21 10:32	10/11/21 23:19	1
o-Terphenyl -	102		70 - 130				10/11/21 10:32	10/11/21 23:19	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: T-1 (3)

Lab Sample ID: 890-1384-4

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 00:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 00:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 00:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/21 10:30	10/14/21 00:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 00:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/21 10:30	10/14/21 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				10/11/21 10:30	10/14/21 00:56	1
1,4-Difluorobenzene (Surr)	77		70 - 130				10/11/21 10:30	10/14/21 00:56	1
Method: Total BTEX - Total BTE	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/13/21 13:00	
•									
Method: 8015 NM - Diesel Range	e Organics (DR	O) (GC)							
Method: 8015 NM - Diesel Range Analyte	•	O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
•	•	Qualifier	RL 49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/13/21 14:23	Dil Fac
Analyte Total TPH	Result <49.8	Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Rang	Result <49.8 ge Organics (Di	Qualifier U				D_	Prepared Prepared		1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	Result <49.8 ge Organics (Di	Qualifier U RO) (GC) Qualifier	49.8		mg/Kg			10/13/21 14:23	1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <49.8 ge Organics (Dige Result)	Qualifier U RO) (GC) Qualifier	49.8 RL		mg/Kg		Prepared	10/13/21 14:23 Analyzed	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8 ge Organics (Dige Result)	Qualifier U RO) (GC) Qualifier U	49.8 RL		mg/Kg		Prepared	10/13/21 14:23 Analyzed	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U RO) (GC) Qualifier U	49.8 RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32	10/13/21 14:23 Analyzed 10/11/21 23:40 10/11/21 23:40	Dil Fac
Analyte	ge Organics (D) Result <49.8 49.8	Qualifier U RO) (GC) Qualifier U	49.8 RL 49.8		mg/Kg Unit mg/Kg		Prepared 10/11/21 10:32	10/13/21 14:23 Analyzed 10/11/21 23:40	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8	Qualifier U RO) (GC) Qualifier U U	49.8 RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32	10/13/21 14:23 Analyzed 10/11/21 23:40 10/11/21 23:40	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U RO) (GC) Qualifier U U	49.8 RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32 10/11/21 10:32	Analyzed 10/11/21 23:40 10/11/21 23:40 10/11/21 23:40	1 Dil Fac 1 1

Matrix: Solid

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Lab Sample ID: 890-1384-4

Client Sample ID: T-1 (3)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	243		5.04		mg/Kg		_	10/12/21 20:07	1

Client Sample ID: T-1 (4) Lab Sample ID: 890-1384-5 Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 01:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 01:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 01:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/21 10:30	10/14/21 01:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 01:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/21 10:30	10/14/21 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				10/11/21 10:30	10/14/21 01:17	1
1,4-Difluorobenzene (Surr)	75		70 - 130				10/11/21 10:30	10/14/21 01:17	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			10/13/21 13:00	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/13/21 14:23	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/12/21 00:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/12/21 00:01	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/12/21 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				10/11/21 10:32	10/12/21 00:01	1
o-Terphenyl	99		70 - 130				10/11/21 10:32	10/12/21 00:01	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Matrix: Solid

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-6

Client Sample ID: T-1 (5)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 01:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 01:37	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 01:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 01:37	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 01:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				10/11/21 10:30	10/14/21 01:37	1
1,4-Difluorobenzene (Surr)	74		70 - 130				10/11/21 10:30	10/14/21 01:37	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			10/13/21 13:00	1
- -									
Mothodi 2015 NM Discal Bangs	Organica (DD)	0) (CC)							
Method: 8015 NM - Diesel Range Analyte	•	, ,	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	•	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/13/21 14:23	
Analyte Total TPH		Qualifier U		MDL		<u>D</u>	Prepared		
Analyte	Result <50.0	Qualifier U				<u>D</u>		10/13/21 14:23	1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <50.0	Qualifier U RO) (GC) Qualifier	50.0		mg/Kg		Prepared 10/11/21 10:32		1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier U	50.0		mg/Kg		Prepared	10/13/21 14:23 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 ge Organics (DI Result <50.0	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg Unit mg/Kg		Prepared 10/11/21 10:32	10/13/21 14:23 Analyzed 10/12/21 00:23	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32	10/13/21 14:23 Analyzed 10/12/21 00:23 10/12/21 00:23	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32	Analyzed 10/12/21 00:23 10/12/21 00:23 10/12/21 00:23	Dil Face 1 1 1 Dil Face
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32 10/11/21 10:32 Prepared	Analyzed 10/12/21 00:23 10/12/21 00:23 10/12/21 00:23 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U RO) (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32 10/11/21 10:32 Prepared 10/11/21 10:32	Analyzed 10/12/21 00:23 10/12/21 00:23 10/12/21 00:23 Analyzed 10/12/21 00:23	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U RO) (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32 10/11/21 10:32 Prepared 10/11/21 10:32	Analyzed 10/12/21 00:23 10/12/21 00:23 10/12/21 00:23 Analyzed 10/12/21 00:23	

Client Sample ID: T-2 (0-1) Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 01:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 01:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 01:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 01:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 01:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				10/11/21 10:30	10/14/21 01:58	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1384-7

Matrix: Solid

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Matrix: Solid

Lab Sample ID: 890-1384-7

10/11/21 10:32 10/12/21 00:44

Lab Sample ID: 890-1384-8

Matrix: Solid

Client Sample ID: T-2 (0-1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 0

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	76	70 - 130	10/11/21 10:30	10/14/21 01:58	1

Mathod:	Total RTFY	- Total BTEX	Calculation
mictilou.	TOTAL DIEN	- IUIUI DI LA	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	I	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			_	10/13/21 13:00	1

1 1	Mothod:	8015 NM	Discol	Pango O	raaniee i		(CC)
1	vietilou.	OU 13 INIVI	- Diesei	Rallye C	n yanicə i	UNU	1001

Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.3		50.0	m	g/Kg			10/13/21 14:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 00:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	58.3		50.0		mg/Kg		10/11/21 10:32	10/12/21 00:44	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				10/11/21 10:32	10/12/21 00:44	1

-	
Method: 300.0 - Anions,	Ion Chromatography - Soluble

94

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2960	24.8	mg/Kg			10/12/21 20:28	5

70 - 130

Client Sample ID: T-2 (1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 1

o-Terphenyl

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 02:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 02:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 02:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 02:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 02:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130				10/11/21 10:30	10/14/21 02:18	1
1,4-Difluorobenzene (Surr)	78		70 - 130				10/11/21 10:30	10/14/21 02:18	1

Method: Total E	BTEX - Total	BTEX Ca	Iculation
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg		_	10/13/21 13:00	1

Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	n	ng/Kg			10/13/21 14:23	1

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-2 (1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 1

Lab Sample ID: 890-1384-8

Matrix: Solid

Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 01:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 01:05	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				10/11/21 10:32	10/12/21 01:05	1
o-Terphenyl	97		70 - 130				10/11/21 10:32	10/12/21 01:05	1
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8790		49.8		mg/Kg			10/13/21 00:41	10

Lab Sample ID: 890-1384-9 Client Sample ID: T-2 (2) Date Collected: 10/07/21 00:00 Matrix: Solid

Date Received: 10/08/21 12:01

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 02:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 02:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 02:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/21 10:30	10/14/21 02:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 02:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/21 10:30	10/14/21 02:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				10/11/21 10:30	10/14/21 02:38	1
1,4-Difluorobenzene (Surr)	78		70 - 130				10/11/21 10:30	10/14/21 02:38	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg	 _		10/13/21 13:00	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/13/21 14:23	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/12/21 01:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/12/21 01:27	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/12/21 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/11/21 10:32	10/12/21 01:27	1

Job ID: 890-1384-1

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

SDG: Lea County NM

Lab Sample ID: 890-1384-9

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Client Sample ID: T-2 (2)

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5070		25.1		mg/Kg			10/13/21 01:03	5

Client Sample ID: T-2 (3) Lab Sample ID: 890-1384-10 **Matrix: Solid**

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 3

Total BTEX

(GRO)-C6-C10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 02:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 02:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 02:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 02:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 02:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				10/11/21 10:30	10/14/21 02:59	1
1,4-Difluorobenzene (Surr)	76		70 - 130				10/11/21 10:30	10/14/21 02:59	1

Method: 8015 NM - Diesel Range	Organics (DR)	o) (GC)							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 01:48	1

0.00401

MDL Unit

mg/Kg

Prepared

Analyzed

10/13/21 13:00

Dil Fac

Result Qualifier

<0.00401 U

o-Terphenyl	97		70 - 130		10/11/21 10:32	10/12/21 01:48	1
1-Chlorooctane	88		70 - 130		10/11/21 10:32	10/12/21 01:48	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	10/11/21 10:32	10/12/21 01:48	1
C10-C28)				99			
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg	10/11/21 10:32	10/12/21 01:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte Result Qualifier				MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5000		24.8		mg/Kg			10/13/21 01:10	5

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-2 (4) Lab Sample ID: 890-1384-11 Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 12:01 Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 04:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 04:21	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 04:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 04:21	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 04:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				10/11/21 10:30	10/14/21 04:21	1
1,4-Difluorobenzene (Surr)	79		70 - 130				10/11/21 10:30	10/14/21 04:21	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 13:00	1
			0.00398		mg/Kg			10/13/21 13:00	1
Total BTEX Method: 8015 NM - Diesel Range Analyte	organics (DR		0.00398 RL	MDL	mg/Kg		Prepared	10/13/21 13:00 Analyzed	1 Dil Fac
Method: 8015 NM - Diesel Range	organics (DR	O) (GC) Qualifier		MDL		D	Prepared		·
Method: 8015 NM - Diesel Range Analyte Total TPH	e Organics (DR Result <49.9	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte	e Organics (DR) Result 49.9 ge Organics (DI)	O) (GC) Qualifier	RL		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	e Organics (DR) Result 49.9 ge Organics (DI)	Qualifier U RO) (GC) Qualifier	RL 49.9		Unit mg/Kg		<u> </u>	Analyzed 10/13/21 14:23	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	e Organics (DR Result <49.9 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier	RL		Unit mg/Kg		Prepared	Analyzed 10/13/21 14:23 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR Result <49.9 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier U	RL		Unit mg/Kg		Prepared	Analyzed 10/13/21 14:23 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR Result <49.9 ge Organics (Di Result <49.9	Qualifier U RO) (GC) Qualifier U U U U	RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32	Analyzed 10/13/21 14:23 Analyzed 10/12/21 02:30 10/12/21 02:30	Dil Fac Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR Result <49.9 ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U U U U	RL 49.9 RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 10/11/21 10:32	Analyzed 10/13/21 14:23 Analyzed 10/12/21 02:30	Dil Fac Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR Result <49.9 ge Organics (Di Result <49.9	Qualifier U RO) (GC) Qualifier U U U U	RL 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32	Analyzed 10/13/21 14:23 Analyzed 10/12/21 02:30 10/12/21 02:30	Dil Fac Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (DR Result <49.9 ge Organics (DI Result <49.9 <49.9	Qualifier U RO) (GC) Qualifier U U U U	RL 49.9 RL 49.9 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:32 10/11/21 10:32 10/11/21 10:32	Analyzed 10/13/21 14:23 Analyzed 10/12/21 02:30 10/12/21 02:30 10/12/21 02:30	Dil Fac Dil Fac 1 1 1

Client Sample ID: T-3 (0-1) Lab Sample ID: 890-1384-12 Date Collected: 10/07/21 00:00

RL

25.0

MDL Unit

mg/Kg

D

Prepared

Result Qualifier

3480

Date Received: 10/08/21 12:01

Method: 300.0 - Anions, Ion Chromatography - Soluble

Sample Depth: 0

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 04:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 04:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 04:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 04:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 04:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				10/11/21 10:30	10/14/21 04:41	1

Eurofins Xenco, Carlsbad

Dil Fac

Matrix: Solid

Analyzed

10/13/21 01:17

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-3 (0-1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 0

Lab Sample ID: 890-1384-12

Lab Sample ID: 890-1384-13

Matrix: Solid

Matrix: Solid

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77	70 - 130	10/11/21 10:30	10/14/21 04:41	1

Method: Total BTEX - Total BTEX Calculation
motification by Ext. Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/13/21 13:00	1

Math	nod: 8015 NM	Discol Do	nas Orasni	ica (DDO)	(CC)
weu	IUU. OU I Ə INIVI	- Diesei Ra	nue Organi	ICS (DRU)	1001

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/13/21 14:23	1

Method: 8015B	NM Discol	Dange Ore	aaniee (DD()) /CC)
MICHIOU. OU IOD	INIVI - DIESEI	Rallue Oli	ualiics lunc	JI (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 02:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 02:51	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepare	ea Analyzea	DII Fac
1-Chlorooctane	101		70 - 130	10/11/21 1	0:32 10/12/21 02:	51 1
o-Terphenyl	112		70 - 130	10/11/21 1	0:32 10/12/21 02:	51 1

Method: 300.0 - Anions, Ion Chromatography - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	934		24.8		mg/Kg			10/13/21 01:24	5

Client Sample ID: T-3 (1)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 05:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 05:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 05:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 10:30	10/14/21 05:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 05:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 10:30	10/14/21 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				10/11/21 10:30	10/14/21 05:01	1
1,4-Difluorobenzene (Surr)	77		70 - 130				10/11/21 10:30	10/14/21 05:01	1

Method: Tot	al RTFY -	Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		ma/Ka			10/13/21 13:00	1

Method: 8015 NM - Dies	el Range Organics (DRO)	(GC)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	142	49.9	mg/Kg			10/13/21 15:09	1

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Client Sample ID: T-3 (1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 1

Lab Sample ID: 890-1384-13

Matrix: Solid

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9 U	49.9	mg/Kg		10/11/21 10:32	10/12/21 03:12	1
Diesel Range Organics (Over	142	49.9	mg/Kg		10/11/21 10:32	10/12/21 03:12	1
Oll Range Organics (Over C28-C36)	<49.9 U	49.9	mg/Kg		10/11/21 10:32	10/12/21 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130	10/11/21 10:32	10/12/21 03:12	1
o-Terphenyl	72		70 - 130	10/11/21 10:32	10/12/21 03:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.3		5.04		mg/Kg			10/13/21 01:46	1

Client Sample ID: T-3 (2) Lab Sample ID: 890-1384-14 Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 05:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 05:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 05:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/21 10:30	10/14/21 05:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 05:22	1
Xylenes, Total	< 0.00396	U	0.00396		mg/Kg		10/11/21 10:30	10/14/21 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	10/11/21 10:30	10/14/21 05:22	1
1,4-Difluorobenzene (Surr)	70		70 - 130	10/11/21 10:30	10/14/21 05:22	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			10/13/21 13:00	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			10/13/21 15:09	1

Method: 80	015B NM - Diesel	Range Organics	(DRO)	(GC))
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 03:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 03:33	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	10/11/21 10:32	10/12/21 03:33	1
o-Terphenyl	101		70 - 130	10/11/21 10:32	10/12/21 03:33	1

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-3 (2)

Date Collected: 10/07/21 00:00

Lab Sample ID: 890-1384-14 Matrix: Solid

Date Received: 10/08/21 12:01

Sample Depth: 2

Method: 300.0 - Anions, Ion Chroma	tography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.9		5.01		mg/Kg			10/13/21 01:53	1

Lab Sample ID: 890-1384-15 Client Sample ID: T-3 (3)

Date Collected: 10/07/21 00:00 Matrix: Solid

Date Received: 10/08/21 12:01

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 05:42	
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 05:42	•
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 05:42	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 05:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 05:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 05:42	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				10/11/21 10:30	10/14/21 05:42	
1,4-Difluorobenzene (Surr)	73		70 - 130				10/11/21 10:30	10/14/21 05:42	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/13/21 13:00	1
Method: 8015 NM - Diesel Range						_			
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 03:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 03:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/11/21 10:32	10/12/21 03:54	1
o-Terphenyl	106		70 - 130				10/11/21 10:32	10/12/21 03:54	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
						_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample Results

Client: Tetra Tech, Inc.

Client Sample ID: T-3 (4)

Date Collected: 10/07/21 00:00

Project/Site: Caballo Section 23 TB

Lab Sample ID: 890-1384-16

Matrix: Solid

Job ID: 890-1384-1

SDG: Lea County NM

Date Received: 10/08/21 12:01 Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 06:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 06:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 06:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/21 10:30	10/14/21 06:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 06:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/21 10:30	10/14/21 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130				10/11/21 10:30	10/14/21 06:03	1
1,4-Difluorobenzene (Surr)	71		70 - 130				10/11/21 10:30	10/14/21 06:03	1
- Method: Total BTEX - Total BTE)	K Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte		O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH			RL 49.9	MDL	mg/Kg	D	Prepared	Analyzed 10/13/21 15:09	Dil Fac
Mathadi 2045D NM - Dissal Dani	na Omnaniaa (D	BO) (CC)							
Method: 8015B NM - Diesel Rang	•	Qualifier	RL	MDL	Unit	D	Dranarad	Analyzed	Dil Fac
Analyte Gasoline Range Organics	Kesuit 		49.9	MIDL	mg/Kg		Prepared 10/11/21 10:32	Analyzed 10/12/21 04:16	1
(GRO)-C6-C10	\49.9	U	49.9		ilig/Ng		10/11/21 10.32	10/12/21 04.10	
							10/11/21 10:32	10/12/21 04:16	
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg			10/12/21 04.16	1
,	<49.9 <49.9		49.9 49.9		mg/Kg		10/11/21 10:32	10/12/21 04:16	1
Diesel Range Organics (Over C10-C28)		U					10/11/21 10:32 Prepared		
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9					10/12/21 04:16	1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 %Recovery	U	49.9				Prepared	10/12/21 04:16 Analyzed	1 Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 %Recovery 89 98	U Qualifier	49.9 <i>Limits</i> 70 - 130				Prepared 10/11/21 10:32	10/12/21 04:16 Analyzed 10/12/21 04:16	1 Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 **Recovery 89 98 omatography -	U Qualifier	49.9 <i>Limits</i> 70 - 130	MDL	mg/Kg	D	Prepared 10/11/21 10:32	10/12/21 04:16 Analyzed 10/12/21 04:16	1 Dil Fac

Client Sample ID: T-3 (5)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 06:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 06:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 06:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 06:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 06:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 06:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				10/11/21 10:30	10/14/21 06:23	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1384-17

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-17

10/11/21 10:32 10/12/21 04:37

Lab Sample ID: 890-1384-18

Matrix: Solid

Client Sample ID: T-3 (5)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 5

Method: 8021B - Volatile Organic Compou	unds (GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	73	70 - 130	10/11/21 10:30	10/14/21 06:23	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		_	10/13/21 13:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (
Method: 8015 NM = Diesel Rande Ordanics (DRO) (Made al. COAT NIM Diag		: (DDO) (OO)
	Wetnoo: 8015 NW - Dies	iei Kande Ordani	ICS (IJKU) (GU)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/13/21 15:09	1

			_		
	Method: 8015B NM -	. Niosal Rango	Organice	(DRO) ((GC)
ı	MICHIGA. OUTOD MINI	Dicaci italige	Organics	(0110)	(00)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 04:37	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 04:37	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/11/21 10:32	10/12/21 04:37	1

1-Cniorooctane	97	70 - 730
o-Terphenyl	105	70 - 130

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	_ D	Prepared	Analyzed	Dil Fac

Chloride	787	4.97	mg/Kg	10/13/21 02:14	1	

Client Sample ID: T-3 (6) Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

	()							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 06:44	1
<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 06:44	1
<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 06:44	1
<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 06:44	1
<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 06:44	1
<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 06:44	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
136	S1+	70 - 130				10/11/21 10:30	10/14/21 06:44	1
76		70 - 130				10/11/21 10:30	10/14/21 06:44	1
	Result <0.00200 <0.00200 <0.00200 <0.00399 <0.00200 <0.00399 %Recovery 136		Result Qualifier RL <0.00200	Result Qualifier RL MDL <0.00200	Result Qualifier RL MDL Unit <0.00200	Result Qualifier RL MDL Unit D <0.00200	Result Qualifier RL MDL Unit D Prepared <0.00200	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00200

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399		ma/Ka			10/13/21 13:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC	Method: 8015 NM -	- Diesel Range	Organics (DRO)	(GC
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Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8 U	49.8	mg/Kg			10/13/21 15:09	1

Lab Sample ID: 890-1384-18

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-3 (6)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 04:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 04:58	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 10:32	10/12/21 04:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				10/11/21 10:32	10/12/21 04:58	1
o-Terphenyl	103		70 - 130				10/11/21 10:32	10/12/21 04:58	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
								10/13/21 02:21	

Client Sample ID: T-3 (7) Lab Sample ID: 890-1384-19 Date Collected: 10/07/21 00:00 Matrix: Solid

Date Received: 10/08/21 12:01

Sample Depth: 7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 07:04	1
Toluene	< 0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 07:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 07:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 10:30	10/14/21 07:04	1
o-Xylene	< 0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 07:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 10:30	10/14/21 07:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				10/11/21 10:30	10/14/21 07:04	1
1,4-Difluorobenzene (Surr)	75		70 - 130				10/11/21 10:30	10/14/21 07:04	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			10/13/21 13:00	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 05:19	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 05:19	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/12/21 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/11/21 10:32	10/12/21 05:19	1
o-Terphenyl	107		70 - 130				10/11/21 10:32	10/12/21 05:19	1

Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-3 (7) Lab Sample ID: 890-1384-19 Date Collected: 10/07/21 00:00

Matrix: Solid

Sample Depth: 7

Date Received: 10/08/21 12:01

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	406		4.95		mg/Kg			10/13/21 02:43	1

Client Sample ID: T-3 (8) Lab Sample ID: 890-1384-20

Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

Sample Depth: 8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 07:24	
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 07:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 07:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 10:30	10/14/21 07:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 07:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 10:30	10/14/21 07:24	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				10/11/21 10:30	10/14/21 07:24	1
1,4-Difluorobenzene (Surr)	77		70 - 130				10/11/21 10:30	10/14/21 07:24	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			10/13/21 13:00	1
Method: 8015 NM - Diesel Range Analyte	•	O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH			49.9	WIDE	mg/Kg		Frepareu	10/13/21 15:09	Dii Fac
iolai ifii	~43.3	O	49.9		mg/kg			10/13/21 13:09	'
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/12/21 05:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/12/21 05:40	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 10:32	10/12/21 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				10/11/21 10:32	10/12/21 05:40	1
o-Terphenyl	102		70 - 130				10/11/21 10:32	10/12/21 05:40	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Method: 300.0 - Anions, Ion Chro		Soluble Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Lab Sample ID: 890-1384-21

Client Sample ID: T-4 (0-1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		10/11/21 10:30	10/14/21 11:45	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		10/11/21 10:30	10/14/21 11:45	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		10/11/21 10:30	10/14/21 11:45	1
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.00401		mg/Kg		10/11/21 10:30	10/14/21 11:45	1
o-Xylene	0.00726	F1 F2	0.00200		mg/Kg		10/11/21 10:30	10/14/21 11:45	1
Xylenes, Total	0.00726	F1 F2	0.00401		mg/Kg		10/11/21 10:30	10/14/21 11:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				10/11/21 10:30	10/14/21 11:45	1
1,4-Difluorobenzene (Surr)	87		70 - 130				10/11/21 10:30	10/14/21 11:45	1
Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00726		0.00401		mg/Kg			10/13/21 16:28	1
Method: 8015 NM - Diesel Range Analyte	Result	O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.8		49.9		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	O (D	- O (O O)							
	ge Organics (D	RO) (GC)							
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	• •	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared 10/11/21 10:50	Analyzed 10/11/21 21:53	Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier		MDL		<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u>D</u>	10/11/21 10:50	10/11/21 21:53	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 62.8	Qualifier U	49.9	MDL	mg/Kg	<u>D</u>	10/11/21 10:50 10/11/21 10:50	10/11/21 21:53 10/11/21 21:53	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 62.8 <49.9	Qualifier U	49.9 49.9 49.9	MDL	mg/Kg	<u>D</u>	10/11/21 10:50 10/11/21 10:50 10/11/21 10:50	10/11/21 21:53 10/11/21 21:53 10/11/21 21:53	1 1 1 <i>Dil Fac</i>
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U	49.9 49.9 49.9 <i>Limits</i>	MDL	mg/Kg	<u>D</u>	10/11/21 10:50 10/11/21 10:50 10/11/21 10:50 Prepared	10/11/21 21:53 10/11/21 21:53 10/11/21 21:53 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier	49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg	<u>D</u>	10/11/21 10:50 10/11/21 10:50 10/11/21 10:50 Prepared 10/11/21 10:50	10/11/21 21:53 10/11/21 21:53 10/11/21 21:53 10/11/21 21:53 Analyzed 10/11/21 21:53	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U Qualifier	49.9 49.9 49.9 Limits 70 - 130		mg/Kg	<u>D</u>	10/11/21 10:50 10/11/21 10:50 10/11/21 10:50 Prepared 10/11/21 10:50	10/11/21 21:53 10/11/21 21:53 10/11/21 21:53 10/11/21 21:53 Analyzed 10/11/21 21:53	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: T-4 (1)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:06	1
m-Xylene & p-Xylene	0.00690		0.00398		mg/Kg		10/11/21 10:30	10/14/21 12:06	1
o-Xylene	0.0247		0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:06	1
Xylenes, Total	0.0316		0.00398		mg/Kg		10/11/21 10:30	10/14/21 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/11/21 10:30	10/14/21 12:06	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1384-22

Lab Sample ID: 890-1384-22

Client: Tetra Tech, Inc.

Job ID: 890-1384-1

Project/Site: Caballo Section 23 TB SDG: Lea County NM

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Client Sample ID: T-4 (1)

Sample Depth: 1

Method: 8021B - Volatile Organic Con	noounds (GC)	(Continued)
motifical collision of gains con	ipodiido (OO)	(Continuou,

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	75	70 - 130	10/11/21 10:30	10/14/21 12:06	1

Method: Total	BTEX - Total	BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	 D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0316		0.00398		mg/Kg			10/13/21 16:28	1

Method: 8015 NM - Diesel Range Organic	· (DBO) (CC)
i Metriou, ou is NW - Dieser Range Organic	SIDRUIGGI

Analyte	Result Q	Qualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	669	49.8	mg/Kg			10/13/21 15:09	1

Method: 8015B	NIM Discol	Danas Or	aaniaa		/CCN
Melliou, ou lob	mivi - Diesei	Range Or	uanics	וטאטו	1001

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/11/21 22:57	1
Diesel Range Organics (Over C10-C28)	584		49.8		mg/Kg		10/11/21 10:50	10/11/21 22:57	1
Oll Range Organics (Over C28-C36)	85.2		49.8		mg/Kg		10/11/21 10:50	10/11/21 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	10/11/21 10:50	10/11/21 22:57	1
o-Terphenyl	123		70 - 130	10/11/21 10:50	10/11/21 22:57	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130	4.98	mg/Kg			10/13/21 03:19	1

Client Sample ID: T-4 (2)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 2

Wethou. 6021B - Volatile Orga	ilic Collipoulius	(60)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:27	1
Ethylbenzene	0.00772		0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 12:27	1
o-Xylene	0.00262		0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/11/21 10:30	10/14/21 12:27	1
1.4-Difluorobenzene (Surr)	90		70 - 130				10/11/21 10:30	10/14/21 12:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0103		0.00398		mg/Kg			10/13/21 16:28	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1384-23

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-4 (2) Lab Sample ID: 890-1384-23 Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 12:01 Sample Depth: 2

Method: 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Total TPH	465		49.9		mg/Kg			10/13/21 15:09	1

					3 3				
- Method: 8015B NM - Diesel Rai	nge Organics (DF	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/11/21 23:19	1
(GRO)-C6-C10			40.0				40/44/04 40:50	40/44/04 00:40	4
Diesel Range Organics (Over C10-C28)	407		49.9		mg/Kg		10/11/21 10:50	10/11/21 23:19	1
Oll Range Organics (Over	58.2		49.9		mg/Kg		10/11/21 10:50	10/11/21 23:19	1
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/11/21 10:50	10/11/21 23:19	1
o-Terphenyl	122		70 - 130				10/11/21 10:50	10/11/21 23:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	1090	4.99		mg/Kg			10/13/21 03:26	1

Client Sample ID: T-4 (3) Lab Sample ID: 890-1384-24 **Matrix: Solid**

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:47	1
Toluene	0.00784		0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:47	1
Ethylbenzene	0.00499		0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 12:47	1
o-Xylene	0.205		0.00199		mg/Kg		10/11/21 10:30	10/14/21 12:47	1
Xylenes, Total	0.205		0.00398		mg/Kg		10/11/21 10:30	10/14/21 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				10/11/21 10:30	10/14/21 12:47	1
			70 100				10////01 10 00	10/11/01 10 17	
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT	EX Calculation		70 - 130				10/11/21 10:30	10/14/21 12:47	1
• • • • • • • • • • • • • • • • • • • •	EX Calculation	Qualifier	70 - 130 RL	MDL	Unit	D	10/11/21 10:30 Prepared	10/14/21 12:47 Analyzed	1 Dil Fac
Method: Total BTEX - Total BT Analyte	EX Calculation	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: Total BTEX - Total BT	EX Calculation Result 0.218 ge Organics (DR		RL	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	EX Calculation Result 0.218 ge Organics (DR	O) (GC)	RL		mg/Kg		Prepared	Analyzed 10/13/21 16:28	
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte	EX Calculation Result 0.218 ge Organics (DR) Result 964	O) (GC) Qualifier	RL		mg/Kg		Prepared	Analyzed 10/13/21 16:28 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte Total TPH	EX Calculation Result 0.218 ge Organics (DR) Result 964 unge Organics (D	O) (GC) Qualifier	RL		mg/Kg Unit mg/Kg		Prepared	Analyzed 10/13/21 16:28 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang	EX Calculation Result 0.218 ge Organics (DR) Result 964 unge Organics (D	O) (GC) Qualifier RO) (GC)	RL 0.00398 RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 10/13/21 16:28 Analyzed 10/13/21 15:09	Dil Fac

Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-4 (3) Lab Sample ID: 890-1384-24 Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 3

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
	Oll Range Organics (Over	106	49.8	mg/Kg		10/11/21 10:50	10/11/21 23:40	1		
	C28-C36)									

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120	70 - 130	10/11/21 10:50	10/11/21 23:40	1
o-Terphenyl	131 S1+	70 - 130	10/11/21 10:50	10/11/21 23:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier

RL MDL Unit Prepared Analyzed Dil Fac Chloride 46.3 5.04 10/13/21 03:33 mg/Kg

Client Sample ID: T-4 (4) Lab Sample ID: 890-1384-25

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Wethou. 002 ID - Volatile Org	garric compounds (c	30)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 13:08	1
Toluene	0.0711		0.00200		mg/Kg		10/11/21 10:30	10/14/21 13:08	1
Ethylbenzene	0.142		0.00200		mg/Kg		10/11/21 10:30	10/14/21 13:08	1
m-Xylene & p-Xylene	0.329		0.00399		mg/Kg		10/11/21 10:30	10/14/21 13:08	1
o-Xylene	0.381		0.00200		mg/Kg		10/11/21 10:30	10/14/21 13:08	1
Xylenes, Total	0.710		0.00399		mg/Kg		10/11/21 10:30	10/14/21 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/11/21 10:30	10/14/21 13:08	1
1,4-Difluorobenzene (Surr)	73		70 - 130	10/11/21 10:30	10/14/21 13:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.923	0.00399	mg/Kg			10/13/21 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	913		49.9		mg/Kg			10/13/21 15:09	1

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

Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	124		49.9	n	ng/Kg		10/11/21 10:50	10/12/21 00:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	688		49.9	n	ng/Kg		10/11/21 10:50	10/12/21 00:01	1
C10-C28)									
Oll Range Organics (Over	101		49.9	n	ng/Kg		10/11/21 10:50	10/12/21 00:01	1
C28-C36)									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	10/11/21 10:50	10/12/21 00:01	1
o-Terphenyl	116		70 - 130	10/11/21 10:50	10/12/21 00:01	1

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Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-4 (4) Lab Sample ID: 890-1384-25

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 4

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.5		5.01		mg/Kg			10/13/21 03:40	1

Client Sample ID: T-4 (5) Lab Sample ID: 890-1384-26 **Matrix: Solid**

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 13:29	
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 13:29	
Ethylbenzene	0.00458		0.00200		mg/Kg		10/11/21 10:30	10/14/21 13:29	
m-Xylene & p-Xylene	0.0157		0.00400		mg/Kg		10/11/21 10:30	10/14/21 13:29	
o-Xylene	0.383		0.00200		mg/Kg		10/11/21 10:30	10/14/21 13:29	
Xylenes, Total	0.399		0.00400		mg/Kg		10/11/21 10:30	10/14/21 13:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	108		70 - 130				10/11/21 10:30	10/14/21 13:29	
1,4-Difluorobenzene (Surr)	95		70 - 130				10/11/21 10:30	10/14/21 13:29	
Method: Total BTEX - Total BTI	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.403		0.00400		mg/Kg			10/13/21 16:28	
Analyte Total TPH	Result 635	Qualifier	RL 50.0	MDL	Unit mg/Kg	D	Prepared	Analyzed 10/13/21 15:09	Dil Fa
Total TPH	635		50.0		mg/Kg			10/13/21 15:09	
Method: 8015B NM - Diesel Ra	nge Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	65.2		50.0		mg/Kg		10/11/21 10:50	10/12/21 00:23	
Diesel Range Organics (Over C10-C28)	499		50.0		mg/Kg		10/11/21 10:50	10/12/21 00:23	
Oll Range Organics (Over C28-C36)	70.6		50.0		mg/Kg		10/11/21 10:50	10/12/21 00:23	
Currogata	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Surrogate	400		70 - 130				10/11/21 10:50	10/12/21 00:23	
1-Chlorooctane	106								

Eurofins Xenco, Carlsbad

Analyzed

10/13/21 03:47

Prepared

RL

4.98

MDL Unit

mg/Kg

Dil Fac

Analyte

Chloride

Result Qualifier

733

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-4 (6) Lab Sample ID: 890-1384-27

Date Collected: 10/07/21 00:00 Matrix: Solid Date Received: 10/08/21 12:01

Sample Depth: 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 13:49	
Toluene	0.247		0.00198		mg/Kg		10/11/21 10:30	10/14/21 13:49	
Ethylbenzene	0.290		0.00198		mg/Kg		10/11/21 10:30	10/14/21 13:49	
m-Xylene & p-Xylene	0.725		0.00396		mg/Kg		10/11/21 10:30	10/14/21 13:49	
o-Xylene	0.00806		0.00198		mg/Kg		10/11/21 10:30	10/14/21 13:49	
Xylenes, Total	0.733		0.00396		mg/Kg		10/11/21 10:30	10/14/21 13:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	106		70 - 130				10/11/21 10:30	10/14/21 13:49	
1,4-Difluorobenzene (Surr)	80		70 - 130				10/11/21 10:30	10/14/21 13:49	
Method: Total BTEX - Total BTE	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	1.27	·	0.00396		mg/Kg			10/13/21 16:28	
Analyte	Result	O) (GC) Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed 10/13/21 15:09	Dil Fa
Analyte Total TPH	Result 3630	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/13/21 15:09	
Analyte Fotal TPH Method: 8015B NM - Diesel Rar	Result 3630 nge Organics (D	Qualifier RO) (GC)	50.0		mg/Kg			10/13/21 15:09	
Analyte Fotal TPH Method: 8015B NM - Diesel Ran Analyte	Result 3630 nge Organics (Di	Qualifier	50.0	MDL	mg/Kg	<u>D</u>	Prepared	10/13/21 15:09 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics	Result 3630 nge Organics (D	Qualifier RO) (GC)	50.0		mg/Kg			10/13/21 15:09	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	Result 3630 nge Organics (Di	Qualifier RO) (GC)	50.0		mg/Kg		Prepared	10/13/21 15:09 Analyzed	Dil Fa
Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 3630 nge Organics (Digensial Result 930	Qualifier RO) (GC)	50.0 RL 50.0		mg/Kg Unit mg/Kg		Prepared 10/11/21 10:50	10/13/21 15:09 Analyzed 10/12/21 00:44	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	Result 3630	Qualifier RO) (GC) Qualifier Qualifier	50.0 RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:50 10/11/21 10:50	Analyzed 10/12/21 00:44 10/12/21 00:44 10/12/21 00:44 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rai Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 3630 3630	Qualifier RO) (GC) Qualifier Qualifier S1+	50.0 RL 50.0 50.0 50.0 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:50 10/11/21 10:50 10/11/21 10:50	Analyzed 10/12/21 00:44 10/12/21 00:44	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rai Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 3630 3630	Qualifier RO) (GC) Qualifier Qualifier	50.0 RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:50 10/11/21 10:50 10/11/21 10:50 Prepared	Analyzed 10/12/21 00:44 10/12/21 00:44 10/12/21 00:44 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rai Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result 3630 nge Organics (Di Result 930 2420 280 %Recovery 133 131	Qualifier RO) (GC) Qualifier Qualifier S1+ S1+	50.0 RL 50.0 50.0 50.0 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 10:50 10/11/21 10:50 10/11/21 10:50 Prepared 10/11/21 10:50	Analyzed 10/12/21 00:44 10/12/21 00:44 10/12/21 00:44 Analyzed 10/12/21 00:44	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rai Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier RO) (GC) Qualifier Qualifier S1+ S1+	50.0 RL 50.0 50.0 50.0 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 10/11/21 10:50 10/11/21 10:50 10/11/21 10:50 Prepared 10/11/21 10:50	Analyzed 10/12/21 00:44 10/12/21 00:44 10/12/21 00:44 Analyzed 10/12/21 00:44	Dil Fa

Client Sample ID: T-4 (7) Lab Sample ID: 890-1384-28 Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 7

		(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:10	1
Toluene	0.0340		0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:10	1
Ethylbenzene	0.0179		0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:10	1
m-Xylene & p-Xylene	0.102		0.00397		mg/Kg		10/11/21 10:30	10/14/21 14:10	1
o-Xylene	0.279		0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:10	1
Xylenes, Total	0.381		0.00397		mg/Kg		10/11/21 10:30	10/14/21 14:10	1

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-4 (7)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 7

Lab Sample ID: 890-1384-28

. Matrix: Solid

10/12/21 18:36

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				10/11/21 10:30	10/14/21 14:10	1
1,4-Difluorobenzene (Surr)	110		70 - 130				10/11/21 10:30	10/14/21 14:10	1
- Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.433		0.00397		mg/Kg			10/13/21 16:28	1
- Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	222		49.8		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared 10/14/24	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• • •	Qualifier	RL	MDL	Unit mg/Kg	D	Prepared 10/11/21 10:50	Analyzed 10/12/21 01:05	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier		MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	49.8	MDL	mg/Kg	<u>D</u>	10/11/21 10:50	10/12/21 01:05	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U	49.8	MDL	mg/Kg mg/Kg	<u>D</u>	10/11/21 10:50 10/11/21 10:50	10/12/21 01:05 10/12/21 01:05	Dil Fac 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 49.8 222 <49.8	Qualifier U	49.8 49.8 49.8	MDL	mg/Kg mg/Kg	<u>D</u>	10/11/21 10:50 10/11/21 10:50 10/11/21 10:50	10/12/21 01:05 10/12/21 01:05 10/12/21 01:05	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U	49.8 49.8 49.8 <i>Limits</i>	MDL	mg/Kg mg/Kg	<u>D</u>	10/11/21 10:50 10/11/21 10:50 10/11/21 10:50 Prepared	10/12/21 01:05 10/12/21 01:05 10/12/21 01:05 Analyzed	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier	49.8 49.8 49.8 Limits 70 - 130	MDL	mg/Kg mg/Kg	<u>D</u>	10/11/21 10:50 10/11/21 10:50 10/11/21 10:50 Prepared 10/11/21 10:50	10/12/21 01:05 10/12/21 01:05 10/12/21 01:05 Analyzed 10/12/21 01:05	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: T-4 (8)

Date Collected: 10/07/21 00:00

Lab Sample ID: 890-1384-29

Matrix: Solid

4.99

mg/Kg

23.3

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 8

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:31	1
Toluene	0.00239		0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:31	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:31	
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/11/21 10:30	10/14/21 14:31	
o-Xylene	0.0356		0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:31	
Xylenes, Total	0.0356		0.00397		mg/Kg		10/11/21 10:30	10/14/21 14:31	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	93		70 - 130				10/11/21 10:30	10/14/21 14:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/11/21 10:30	10/14/21 14:31	
Method: Total BTEX - Total B1	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0380		0.00397		mg/Kg			10/13/21 16:28	•
Method: 8015 NM - Diesel Rar	ge Organics (DR	O) (GC)							
Analyte	• • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	136		49.9		mg/Kg			10/13/21 15:09	1

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-29

Lab Sample ID: 890-1384-30

Matrix: Solid

Matrix: Solid

Client Sample ID: T-4 (8) Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 01:27	1
Diesel Range Organics (Over C10-C28)	136		49.9		mg/Kg		10/11/21 10:50	10/12/21 01:27	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/11/21 10:50	10/12/21 01:27	1
o-Terphenyl	116		70 - 130				10/11/21 10:50	10/12/21 01:27	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	435		4.96		mg/Kg			10/12/21 18:43	

Client Sample ID: T-4 (9)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:52	1
Toluene	0.00338		0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:52	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/11/21 10:30	10/14/21 14:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 14:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/11/21 10:30	10/14/21 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				10/11/21 10:30	10/14/21 14:52	1
1,4-Difluorobenzene (Surr)	85		70 - 130				10/11/21 10:30	10/14/21 14:52	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/13/21 16:28	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 01:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 01:48	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/11/21 10:50	10/12/21 01:48	1

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Released to Imaging: 6/29/2022 3:01:36 PM

Lab Sample ID: 890-1384-30

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-4 (9)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 9

	Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
L	Chloride	42.0	F1	5.05		mg/Kg			10/12/21 18:49	1

Client Sample ID: T-4 (10) Lab Sample ID: 890-1384-31 **Matrix: Solid**

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Donth: 10

Method: 8021B - Volatile Organic	Compounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 16:14	
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 16:14	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 16:14	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 16:14	
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 16:14	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 16:14	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	94		70 - 130				10/11/21 10:30	10/14/21 16:14	
1,4-Difluorobenzene (Surr)	129		70 - 130				10/11/21 10:30	10/14/21 16:14	
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 16:28	
Method: 8015 NM - Diesel Range	Organics (DR)	O) (GC)							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9		49.9		mg/Kg			10/13/21 15:09	
Method: 8015B NM - Diesel Rang	re Organics (D	RO) (GC)							
Analyte	,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 02:30	
(GRO)-C6-C10					0 0				
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 02:30	
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 02:30	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	107		70 - 130				10/11/21 10:50	10/12/21 02:30	
o-Terphenyl	120		70 - 130				10/11/21 10:50	10/12/21 02:30	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	15.8		4.95		mg/Kg			10/12/21 19:08	

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-32

Client Sample ID: T-4 (11)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 11

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 16:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 16:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 16:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/11/21 10:30	10/14/21 16:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 16:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/11/21 10:30	10/14/21 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				10/11/21 10:30	10/14/21 16:35	1
1,4-Difluorobenzene (Surr)	126		70 - 130				10/11/21 10:30	10/14/21 16:35	1
Method: Total BTEX - Total BTE	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/13/21 16:28	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/12/21 02:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/12/21 02:51	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/12/21 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				10/11/21 10:50	10/12/21 02:51	1
o-Terphenyl	122		70 - 130				10/11/21 10:50	10/12/21 02:51	1
Method: 300.0 - Anions, Ion Chr	omatography -	Soluble							

Client Sample ID: T-4 (12)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 12

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 16:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 16:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 16:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 16:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 10:30	10/14/21 16:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 10:30	10/14/21 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				10/11/21 10:30	10/14/21 16:55	

5.04

mg/Kg

371

Eurofins Xenco, Carlsbad

10/12/21 19:15

Lab Sample ID: 890-1384-33

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-33

Lab Sample ID: 890-1384-34

Matrix: Solid

Client Sample ID: T-4 (12)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 12

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	10/11/21 10:30	10/14/21 16:55	1

Method: Total E	BTEX - Total	BTEX C	alculation
Mictiliou. Total L	JIEA - IOLUI	DILA	aiculation

Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg		_	10/13/21 16:28	1

Mathadi COLE NIM Diagal	Danas Ornanias		/CCN
Method: 8015 NM - Diese	Range Organics	IDRUI	(GC)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg	9		10/13/21 15:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 03:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 03:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	DII Fac
1-Chlorooctane	116		70 - 130		10/11/21 10:50	10/12/21 03:12	1
o-Terphenyl	131	S1+	70 - 130	1	10/11/21 10:50	10/12/21 03:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156	4.98		mg/Kg			10/12/21 19:34	1

Client Sample ID: T-5 (0-1)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 0

Mothod: 9021D	Volatile Organie	Compounds (GC)
I WIELIIOU. OUZ ID '	- voiatile Organic	Compounds (GC)

		/							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 17:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 17:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 17:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/21 10:30	10/14/21 17:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 10:30	10/14/21 17:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/21 10:30	10/14/21 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				10/11/21 10:30	10/14/21 17:16	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/11/21 10:30	10/14/21 17:16	1

Mothod:	Total RTF	Y - Total R	TFX Calculatio	n

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/13/21 16:28	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.5	49.8	mg/Kg			10/13/21 15:09	1

Lab Sample ID: 890-1384-34

Lab Sample ID: 890-1384-35

Matrix: Solid

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-5 (0-1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 03:33	1
(GRO)-C6-C10									
Diesel Range Organics (Over	69.5		49.8		mg/Kg		10/11/21 10:50	10/12/21 03:33	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 03:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/11/21 10:50	10/12/21 03:33	1
o-Terphenyl	122		70 - 130				10/11/21 10:50	10/12/21 03:33	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		5.00		mg/Kg			10/12/21 19:40	1

Client Sample ID: T-5 (1)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 17:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 17:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 17:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 17:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 17:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				10/11/21 10:30	10/14/21 17:37	1
1,4-Difluorobenzene (Surr)	90		70 - 130				10/11/21 10:30	10/14/21 17:37	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/13/21 16:28	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	278		50.0		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/12/21 03:54	1
Diesel Range Organics (Over C10-C28)	278		50.0		mg/Kg		10/11/21 10:50	10/12/21 03:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/12/21 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/11/21 10:50	10/12/21 03:54	1

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-5 (1) Lab Sample ID: 890-1384-35

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 1

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.1		4.99		mg/Kg			10/12/21 19:46	1

Client Sample ID: T-5 (2) Lab Sample ID: 890-1384-36 Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 17:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 17:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 17:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 17:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 17:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 10:30	10/14/21 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/11/21 10:30	10/14/21 17:58	1
1,4-Difluorobenzene (Surr)	117		70 - 130				10/11/21 10:30	10/14/21 17:58	1
- Method: Total BTEX - Total B1	ΓEX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/13/21 16:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 04:16	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 04:16	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 04:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				10/11/21 10:50	10/12/21 04:16	1
o-Terphenyl	114		70 ₋ 130				10/11/21 10:50	10/12/21 04:16	1

Method: 300.0 - Anions, Ion Chrom	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		4.95		mg/Kg			10/12/21 19:53	1

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

Lab Sample ID: 890-1384-37

SDG: Lea County NM

Client Sample ID: T-5 (3)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 18:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 18:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 18:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 10:30	10/14/21 18:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 18:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 10:30	10/14/21 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/11/21 10:30	10/14/21 18:18	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/11/21 10:30	10/14/21 18:18	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 04:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 04:37	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/11/21 10:50	10/12/21 04:37	1
o-Terphenyl	122		70 - 130				10/11/21 10:50	10/12/21 04:37	1
-									
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Method: 300.0 - Anions, Ion Chro Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed 10/12/21 20:00	Dil Fac

Client Sample ID: T-5 (4)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 18:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 18:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 18:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/21 10:30	10/14/21 18:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 10:30	10/14/21 18:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/21 10:30	10/14/21 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/11/21 10:30	10/14/21 18:39	

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1384-38

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-5 (4) Lab Sample ID: 890-1384-38 Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 4

Method: 8021B - Volatile Organic Compou	unds (GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	117	70 - 130	10/11/21 10:30	10/14/21 18:39	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		_	10/13/21 16:28	1

Method: 8015 NM - Diesel Range Organics (DRO) (
Method: 8015 NM = Diesel Rande Ordanics (DRO) (Made al. COAT NIM Diag		: (DDO) (OO)
	ı	Wetnoo: 8015 NW - Dies	iei Kande Ordani	ICS (IJKU) (GU)

Analyte	Result C	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8 L	J	49.8	mg/Kg			10/13/21 15:09	1

Method: 8015B	NM Discol	Dange Ore	aaniee (DD()) (CC)
MICHIOU. OU IOD	INIVI - DIESEI	Rallue Oli	ualiics lunc	JI (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 04:58	1
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 04:58	1
C10-C28) OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 10:50	10/12/21 04:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

1-Chlorooctane	108	70 - 130	
o-Terphenyl	123	70 - 130	

1-Chlorooctane	108	70 - 130	10/11/21 10:50	10/12/21 04:58	1
o-Terphenyl	123	70 - 130	10/11/21 10:50	10/12/21 04:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qual		MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191	5.04	mg/Kg			10/12/21 20:06	1

Client Sample ID: T-5 (5)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 19:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 19:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 19:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 10:30	10/14/21 19:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 10:30	10/14/21 19:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 10:30	10/14/21 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				10/11/21 10:30	10/14/21 19:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/11/21 10:30	10/14/21 19:00	1

Method: Tot	al RTFY -	Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402		ma/Ka			10/13/21 16:28	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC	Method: 8015 NM -	- Diesel Range	Organics (DRO)	(GC
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Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			10/13/21 15:09	1

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Lab Sample ID: 890-1384-39

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-5 (5)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 5

Lab Sample ID: 890-1384-39

Lab Sample ID: 890-1384-40

Matrix: Solid

Matrix: Solid

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/12/21 05:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/12/21 05:19	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/12/21 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/11/21 10:50	10/12/21 05:19	1
o-Terphenyl	120		70 - 130				10/11/21 10:50	10/12/21 05:19	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	958		4.97		mg/Kg			10/12/21 20:13	1

Client Sample ID: T-5 (6)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 19:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 19:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 19:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 19:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 19:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 10:30	10/14/21 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				10/11/21 10:30	10/14/21 19:20	1
1,4-Difluorobenzene (Surr)	113		70 - 130				10/11/21 10:30	10/14/21 19:20	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/13/21 16:28	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 05:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 05:40	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 10:50	10/12/21 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/11/21 10:50	10/12/21 05:40	1
o-Terphenyl	115		70 ₋ 130				10/11/21 10:50	10/12/21 05:40	1

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-40

Client Sample ID: T-5 (6)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 6

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		5.00		mg/Kg			10/13/21 09:15	1

Client Sample ID: T-5 (7) Lab Sample ID: 890-1384-41 **Matrix: Solid**

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 22:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 22:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 22:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 11:45	10/14/21 22:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 22:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 11:45	10/14/21 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				10/11/21 11:45	10/14/21 22:54	1
1,4-Difluorobenzene (Surr)	77		70 - 130				10/11/21 11:45	10/14/21 22:54	1

Total BTEX	<0.00401	U	0.00401		mg/Kg			10/14/21 10:53	1
Method: 8015 NM - Diesel Rai	nge Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel R	ange Organics (DI	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

<49.9 U

MDL Unit

mg/Kg

Prepared

10/11/21 13:34

Analyzed

10/11/21 21:26

(GRO)-C6-C10							
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg	10/11/21 13:34	10/11/21 21:26	1
C10-C28)							
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	10/11/21 13:34	10/11/21 21:26	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130		10/11/21 13:34	10/11/21 21:26	1
o-Terphenyl	108		70 - 130		10/11/21 13:34	10/11/21 21:26	1

49.9

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3410		25.2		mg/Kg			10/13/21 09:36	5

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Gasoline Range Organics

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-42

Client Sample ID: T-5 (8)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/14/21 23:15	1
Toluene	< 0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/14/21 23:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/14/21 23:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 11:45	10/14/21 23:15	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/14/21 23:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 11:45	10/14/21 23:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				10/11/21 11:45	10/14/21 23:15	1
1,4-Difluorobenzene (Surr)	79		70 - 130				10/11/21 11:45	10/14/21 23:15	1
- Method: Total BTEX - Total BTE	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/14/21 10:53	1
Analyte Total TPH		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/10/01 15 00	
-								10/13/21 15:09	1
Method: 8015B NM - Diesel Ran-	ge Organics (D	RO) (GC)						10/13/21 15:09	1
	• •	RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	10/13/21 15:09 Analyzed	
Analyte Gasoline Range Organics	• •	Qualifier	RL 49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared 10/11/21 13:34		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		MDL		<u>D</u>	<u> </u>	Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8	Qualifier U	49.8	MDL	mg/Kg	<u>D</u>	10/11/21 13:34	Analyzed 10/11/21 22:27	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 <49.8	Qualifier U U U	49.8	MDL	mg/Kg	<u> </u>	10/11/21 13:34	Analyzed 10/11/21 22:27	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8 <49.8	Qualifier U U U	49.8 49.8 49.8	MDL	mg/Kg	<u> </u>	10/11/21 13:34 10/11/21 13:34 10/11/21 13:34	Analyzed 10/11/21 22:27 10/11/21 22:27 10/11/21 22:27	Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U U U	49.8 49.8 49.8 Limits	MDL	mg/Kg	<u> </u>	10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared	Analyzed 10/11/21 22:27 10/11/21 22:27 10/11/21 22:27 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier	49.8 49.8 49.8 Limits 70 - 130	MDL	mg/Kg	<u> </u>	10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared 10/11/21 13:34	Analyzed 10/11/21 22:27 10/11/21 22:27 10/11/21 22:27 Analyzed 10/11/21 22:27	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U Qualifier	49.8 49.8 49.8 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared 10/11/21 13:34	Analyzed 10/11/21 22:27 10/11/21 22:27 10/11/21 22:27 Analyzed 10/11/21 22:27	Dil Face 1 1 1 Dil Face

Client Sample ID: T-5 (9)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Date Received: 10/00/21 12:0

Sample Depth: 9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 23:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 23:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 23:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 11:45	10/14/21 23:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 23:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 11:45	10/14/21 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				10/11/21 11:45	10/14/21 23:35	1

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Lab Sample ID: 890-1384-43

Lab Sample ID: 890-1384-43

Lab Sample ID: 890-1384-44

Matrix: Solid

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-5 (9)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 9

Method: 8021B - Volatile Or	ganic Compounds	(GC) (Continued)
Michigal COLID Volume Of	gaine compounds	(GG) (GG) (GG)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	79	70 - 130	10/11/21 11:45	10/14/21 23:35	

Method: Total BTEX - Total BTEX Calculation

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400 U	0.00400	ma/Ka			10/14/21 10:53	1

Method: 8015 NM - Diesel Range Organics (DRO) ((GC)
mothod: ou for this Bloods stange organico (Bito)	,,

Analyte	Result	Qualifier	RL	MDL	Unit	!	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg				10/13/21 15:09	1

Method: 8015B	NM - Diesel	Range Oro	anice (DRO)	(GC)
Methou. ou 136	MINI - DIESEI	Range Org	jailius (DRU)	GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/21 13:34	10/11/21 22:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/21 13:34	10/11/21 22:48	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 13:34	10/11/21 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

1-Chlorooctane	96	70 - 130
o-Terphenyl	110	70 - 130

Mathadi 200 0 Aniana Jan Chuami	taananku Calukla				
o-Terphenyl	110	70 - 130	10/11/21 13:34	10/11/21 22:48	1
1-Chlorooctane	96	70 - 130	10/11/21 13:34	10/11/21 22:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3360	24.9	mg/Kg			10/13/21 09:51	5

Client Sample ID: T-5 (10)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 10

Mathadi 0004D	Valatile Overen	ic Compounds (GC)
Memoo: Auzib	- voianie Urdan	ic Compounds (GC)

motification collis		,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/14/21 23:56	1
Toluene	< 0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/14/21 23:56	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/14/21 23:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 11:45	10/14/21 23:56	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/14/21 23:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 11:45	10/14/21 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				10/11/21 11:45	10/14/21 23:56	1
1,4-Difluorobenzene (Surr)	75		70 - 130				10/11/21 11:45	10/14/21 23:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg		_	10/14/21 10:53	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8 U	49.8	mg/Kg			10/13/21 15:09	1

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10/18/2021

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-44

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Client Sample ID: T-5 (10)

Matrix: Solid

Sample Depth: 10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/11/21 23:08	1
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/11/21 23:08	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/11/21 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/11/21 13:34	10/11/21 23:08	1
o-Terphenyl	106		70 - 130				10/11/21 13:34	10/11/21 23:08	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: T-6 (0-1) Lab Sample ID: 890-1384-45

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 12:01

Sample Depth: 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/15/21 00:16	1
Toluene	< 0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/15/21 00:16	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/15/21 00:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 11:45	10/15/21 00:16	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/15/21 00:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 11:45	10/15/21 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				10/11/21 11:45	10/15/21 00:16	1
1,4-Difluorobenzene (Surr)	80		70 - 130				10/11/21 11:45	10/15/21 00:16	1
Method: Total BTEX - Total BTE	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/14/21 10:53	1
Mathadi 2045 NM - Diagal Dana	na Ormanica (DD	0) (00)							
•	, ,	, ,	RI	MDI	Unit	n	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Rang Analyte Total TPH	Result	O) (GC) Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed 10/13/21 15:09	Dil Fac
•	, ,	, ,		MDL	Unit mg/Kg	<u>D</u>	Prepared		
Analyte Total TPH	Result 1400	Qualifier		MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Rar	Result 1400 nge Organics (D	Qualifier		MDL MDL	mg/Kg	<u>D</u>	Prepared Prepared		
Analyte	Result 1400 nge Organics (D	Qualifier RO) (GC) Qualifier	49.9		mg/Kg			10/13/21 15:09	1
Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics	Result 1400 nge Organics (D	Qualifier RO) (GC) Qualifier	49.9		mg/Kg		Prepared 10/11/21 13:34	10/13/21 15:09 Analyzed 10/11/21 23:29	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 1400 nge Organics (D	Qualifier RO) (GC) Qualifier	49.9		mg/Kg		Prepared	10/13/21 15:09 Analyzed	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 1400	Qualifier RO) (GC) Qualifier	49.9 RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34	10/13/21 15:09 Analyzed 10/11/21 23:29 10/11/21 23:29	1 Dil Fac 1
Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	nge Organics (D Result <49.9	Qualifier RO) (GC) Qualifier	49.9 RL 49.9		mg/Kg Unit mg/Kg		Prepared 10/11/21 13:34	10/13/21 15:09 Analyzed 10/11/21 23:29	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result 1400	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34	10/13/21 15:09 Analyzed 10/11/21 23:29 10/11/21 23:29	1 Dil Fac 1 1 1
Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 1400	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34	Analyzed 10/11/21 23:29 10/11/21 23:29 10/11/21 23:29	1 Dil Fac 1

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-6 (0-1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-45 Matrix: Solid

Sample Depth: 0

	Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
L	Chloride	232		5.05		mg/Kg			10/13/21 15:29	1

Client Sample ID: T-6 (1) Lab Sample ID: 890-1384-46

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Matrix: Solid

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:45	10/15/21 00:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:45	10/15/21 00:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:45	10/15/21 00:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 11:45	10/15/21 00:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:45	10/15/21 00:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 11:45	10/15/21 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				10/11/21 11:45	10/15/21 00:36	1
1,4-Difluorobenzene (Surr)	78		70 - 130				10/11/21 11:45	10/15/21 00:36	1
- Method: Total BTEX - Total BT	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	11	0.00402		mg/Kg			10/14/21 10:53	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.7		50.0		mg/Kg			10/13/21 15:09	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/11/21 13:34	10/11/21 23:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	73.7		50.0		mg/Kg		10/11/21 13:34	10/11/21 23:49	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 13:34	10/11/21 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/11/21 13:34	10/11/21 23:49	1
o-Terphenyl	105		70 - 130				10/11/21 13:34	10/11/21 23:49	1

Method: 300.0 - Anions, Ion Chroma	atography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6	4.98	mg/Kg			10/13/21 15:42	1

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-47

Client Sample ID: T-6 (2)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 00:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 00:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 00:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 11:45	10/15/21 00:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 00:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 11:45	10/15/21 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				10/11/21 11:45	10/15/21 00:57	1
1,4-Difluorobenzene (Surr)	83		70 - 130				10/11/21 11:45	10/15/21 00:57	1
Method: Total BTEX - Total BTE	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/14/21 10:53	1
Method: 8015 NM - Diesel Range	Organics (DB)	0) (60)							
•	•	, ,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH	<50.0			MDL	mg/Kg	D	Prepared	Analyzed 10/13/21 15:09	Dil Fac
Total TPH	<50.0	U		MDL		<u>D</u>	Prepared		
Total TPH Method: 8015B NM - Diesel Ranç	<50.0	U (GC)	50.0		mg/Kg			10/13/21 15:09	1
Total TPH Method: 8015B NM - Diesel Rang Analyte	<50.0 ge Organics (D	CO) (GC) Qualifier	50.0		mg/Kg	D	Prepared	10/13/21 15:09 Analyzed	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	<50.0	CO) (GC) Qualifier	50.0		mg/Kg			10/13/21 15:09	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	<50.0 ge Organics (D	RO) (GC) Qualifier	50.0		mg/Kg		Prepared	10/13/21 15:09 Analyzed	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 ge Organics (Di Result <50.0	RO) (GC) Qualifier	50.0 RL 50.0		mg/Kg Unit mg/Kg		Prepared 10/11/21 13:34	10/13/21 15:09 Analyzed 10/12/21 00:09	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 ge Organics (Di Result <50.0	RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg Unit mg/Kg		Prepared 10/11/21 13:34	10/13/21 15:09 Analyzed 10/12/21 00:09	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 ge Organics (Di Result <50.0 <50.0	U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34	10/13/21 15:09 Analyzed 10/12/21 00:09 10/12/21 00:09	1 Dil Fac 1 1
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 ge Organics (Digentification (Dig	U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34	Analyzed 10/12/21 00:09 10/12/21 00:09 10/12/21 00:09	Dil Fac 1 1 Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0 ge Organics (Digentification (Dig	U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared	Analyzed 10/12/21 00:09 10/12/21 00:09 10/12/21 00:09 Analyzed	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 ge Organics (D) Result <50.0 <50.0 <50.0 <50.0 <80.0 %Recovery 93 103	CONTROL (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared 10/11/21 13:34	Analyzed 10/12/21 00:09 10/12/21 00:09 10/12/21 00:09 Analyzed 10/12/21 00:09	1 Dil Fac 1 1
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 ge Organics (D) Result <50.0 <50.0 <50.0 <50.0 <8ecovery 93 103 omatography -	CONTROL (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared 10/11/21 13:34	Analyzed 10/12/21 00:09 10/12/21 00:09 10/12/21 00:09 Analyzed 10/12/21 00:09	1 Dil Fac 1 1 1 1 Dil Fac 1

Client Sample ID: T-6 (3)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 01:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 01:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 01:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 11:45	10/15/21 01:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 01:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 11:45	10/15/21 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/11/21 11:45	10/15/21 01:17	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1384-48

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Matrix: Solid

Lab Sample ID: 890-1384-48

Client Sample ID: T-6 (3)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sar

ample Depth: 3			

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1 4-Diffuorobenzene (Surr)	86		70 130	•	10/11/21 11:45	10/15/21 01:17	

Method: '	Total	BTFX:	- Total	BTFX	Calculation

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	mg/Kg		_	10/14/21 10:53	1

Method: 8015 NM - Diesel Range	Organics (DRC	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 15:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/12/21 00:29	1
(GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/12/21 00:29	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/12/21 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analvzed	Dil Fac

Surrogate	%Recovery Qualitier	Limits	Prepared	Anaiyzea	DII Fac
1-Chlorooctane	95	70 - 130	10/11/21 13:34	10/12/21 00:29	1
o-Terphenyl	106	70 - 130	10/11/21 13:34	10/12/21 00:29	1
Г					

Method: 300.0 - Anions	s, Ion Chromatography - Soluble		
Analyte	Result Qualifier	RL	MDL Un

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.3	4.99		mg/Kg			10/13/21 15:56	1

Client Sample ID: T-6 (4) Lab Sample ID: 890-1384-49 **Matrix: Solid**

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)			
	Mothod: 9021D	Volatile Organie	Compounde (CC)

	()							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 01:38	1
<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 01:38	1
<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 01:38	1
<0.00403	U	0.00403		mg/Kg		10/11/21 11:45	10/15/21 01:38	1
<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 01:38	1
<0.00403	U	0.00403		mg/Kg		10/11/21 11:45	10/15/21 01:38	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
138	S1+	70 - 130				10/11/21 11:45	10/15/21 01:38	1
83		70 - 130				10/11/21 11:45	10/15/21 01:38	1
	Result <0.00202 <0.00202 <0.00202 <0.00403 <0.00202 <0.00403 %Recovery 138		Result Qualifier RL <0.00202	Result Qualifier RL MDL <0.00202	Result Qualifier RL MDL Unit <0.00202	Result Qualifier RL MDL Unit D <0.00202	Result Qualifier RL MDL Unit D Prepared <0.00202	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00202

1,4-Difluorobenzene (Surr)	83	70 - 130	10/11/21 11:45	10/15/21 01:38

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg		_	10/14/21 10:53	1

Made at 0045 NM Discal Dance Consular	(DDO) (OO)
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		_	10/13/21 15:09	1

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-6 (4)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-49

Sample Depth: 4

-0.0	- ampio	 -		•	_
		Mat	trix:	Soli	d

Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/21 13:34	10/12/21 00:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/21 13:34	10/12/21 00:49	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 13:34	10/12/21 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/11/21 13:34	10/12/21 00:49	1
o-Terphenyl	107		70 - 130				10/11/21 13:34	10/12/21 00:49	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.9		4.98		mg/Kg			10/13/21 16:04	1

Client Sample ID: T-6 (5) Lab Sample ID: 890-1384-50 Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 01:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 01:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 01:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 11:45	10/15/21 01:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 01:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 11:45	10/15/21 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				10/11/21 11:45	10/15/21 01:58	1
1,4-Difluorobenzene (Surr)	72		70 - 130				10/11/21 11:45	10/15/21 01:58	1
· Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00400	U	0.00400		mg/Kg			10/14/21 10:53	1
			0.00400		mg/Kg			10/14/21 10:53	1
: Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)		MDI			Program d		
Method: 8015 NM - Diesel Range Analyte	Organics (DR	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: 8015 NM - Diesel Range	Organics (DR	O) (GC) Qualifier		MDL		<u>D</u>	Prepared		·
Method: 8015 NM - Diesel Range Analyte	Organics (DR) Result <49.8	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	Organics (DR) Result 49.8 ge Organics (DI)	O) (GC) Qualifier	RL		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	Organics (DR) Result 49.8 ge Organics (DI)	Qualifier U RO) (GC) Qualifier	RL		Unit mg/Kg		<u> </u>	Analyzed 10/13/21 15:09	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	e Organics (DR) Result 49.8 ge Organics (D) Result	Qualifier U RO) (GC) Qualifier U U	RL		Unit mg/Kg		Prepared	Analyzed 10/13/21 15:09 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	e Organics (DR Result <49.8 ge Organics (D Result <49.8	Qualifier U RO) (GC) Qualifier U U	RL 49.8 — RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 10/11/21 13:34	Analyzed 10/13/21 15:09 Analyzed 10/12/21 01:09	Dil Fac Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR Result <49.8 ge Organics (D Result <49.8	Qualifier U RO) (GC) Qualifier U U U U	RL 49.8 — RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 10/11/21 13:34	Analyzed 10/13/21 15:09 Analyzed 10/12/21 01:09	Dil Fac Dil Fac 1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR Result <49.8 ge Organics (D Result <49.8	Qualifier U RO) (GC) Qualifier U U U U	RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34	Analyzed 10/13/21 15:09 Analyzed 10/12/21 01:09 10/12/21 01:09	Dil Fac Dil Fac 1 1 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	e Organics (DR Result <49.8 ge Organics (DI Result <49.8 <49.8	Qualifier U RO) (GC) Qualifier U U U U	RL 49.8 RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34	Analyzed 10/13/21 15:09 Analyzed 10/12/21 01:09 10/12/21 01:09 10/12/21 01:09	Dil Fac Dil Fac 1

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-50

Matrix: Solid

Client Sample ID: T-6 (5)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 5

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.6		4.95		mg/Kg			10/13/21 16:11	1

Client Sample ID: T-6 (6) Lab Sample ID: 890-1384-51 **Matrix: Solid**

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:45	10/15/21 03:20	
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:45	10/15/21 03:20	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:45	10/15/21 03:20	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/21 11:45	10/15/21 03:20	
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:45	10/15/21 03:20	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/21 11:45	10/15/21 03:20	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				10/11/21 11:45	10/15/21 03:20	
1,4-Difluorobenzene (Surr)	75		70 - 130				10/11/21 11:45	10/15/21 03:20	
Method: Total BTEX - Total BTE	X Calculation								
				MOI	Unit	D	Duamanad	A malumad	Dil Fa
Analyte	Result	Qualifier	RL	MDL	Ullit	U	Prepared	Analyzed	DII Fac
Analyte Total BTEX	<0.00396		0.00396	MIDL	mg/Kg		Prepared	10/14/21 10:53	
Total BTEX	<0.00396	U		MDL			Prepared		
Total BTEX Method: 8015 NM - Diesel Range	<0.00396 e Organics (DR	U (GC)	0.00396		mg/Kg			10/14/21 10:53	
Total BTEX Method: 8015 NM - Diesel Range Analyte	<0.00396 e Organics (DR) Result	O) (GC) Qualifier	0.00396		mg/Kg	<u>D</u>	Prepared	10/14/21 10:53 Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range	<0.00396 e Organics (DR	O) (GC) Qualifier	0.00396		mg/Kg			10/14/21 10:53	Dil Fa
Total BTEX Method: 8015 NM - Diesel Range Analyte	<0.00396 Organics (DR) Result <49.9	U O) (GC) Qualifier U	0.00396		mg/Kg			10/14/21 10:53 Analyzed	Dil Fa
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	<0.00396 e Organics (DR) Result <49.9 ge Organics (D)	U O) (GC) Qualifier U	0.00396	MDL	mg/Kg			10/14/21 10:53 Analyzed	Dil Fa
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	<0.00396 e Organics (DR) Result <49.9 ge Organics (D)	O) (GC) Qualifier U RO) (GC) Qualifier	0.00396 RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	10/14/21 10:53 Analyzed 10/13/21 15:09	Dil Fa
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00396 e Organics (DR) Result <49.9 ge Organics (D) Result	U O) (GC) Qualifier U RO) (GC) Qualifier U	0.00396 RL 49.9	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	10/14/21 10:53 Analyzed 10/13/21 15:09 Analyzed	Dil Fa
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00396 e Organics (DR) Result <49.9 ge Organics (D) Result <49.9	U O) (GC) Qualifier U RO) (GC) Qualifier U	0.00396 RL 49.9 RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 10/11/21 13:34	Analyzed 10/12/21 01:48	Dil Fa
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00396 e Organics (DR) Result <49.9 ge Organics (D) Result <49.9 <49.9	U O) (GC) Qualifier U RO) (GC) Qualifier U U U	0.00396 RL 49.9 RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 10/11/21 13:34 10/11/21 13:34	Analyzed 10/13/21 15:09 Analyzed 10/13/21 15:09 Analyzed 10/12/21 01:48 10/12/21 01:48	
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	<0.00396 e Organics (DR) Result <49.9 <49.9 <49.9	U O) (GC) Qualifier U RO) (GC) Qualifier U U U	0.00396 RL 49.9 RL 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 10/11/21 13:34 10/11/21 13:34	Analyzed 10/13/21 15:09 Analyzed 10/13/21 15:09 Analyzed 10/12/21 01:48 10/12/21 01:48	Dil Fac

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Analyzed 10/13/21 16:33

RL

5.00

MDL Unit

mg/Kg

D

Prepared

Dil Fac

Analyte

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

27.0

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 ection 23 TB SDG: Lea County NM

Lab Sample ID: 890-1384-52

Client Sample ID: T-6 (7)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:45	10/15/21 03:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:45	10/15/21 03:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:45	10/15/21 03:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/21 11:45	10/15/21 03:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:45	10/15/21 03:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/21 11:45	10/15/21 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				10/11/21 11:45	10/15/21 03:41	1
1,4-Difluorobenzene (Surr)	76		70 - 130				10/11/21 11:45	10/15/21 03:41	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			10/14/21 10:53	1
Method: 8015 NM - Diesel Range Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
•	•	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/13/21 15:09	
Analyte	Result <50.0	Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result <50.0	Qualifier U		MDL	mg/Kg	<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: 8015B NM - Diesel Rang	Result <50.0	Qualifier U RO) (GC) Qualifier	50.0		mg/Kg		<u> </u>	10/13/21 15:09	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <50.0 Ge Organics (DI Result	Qualifier U RO) (GC) Qualifier U	50.0		mg/Kg		Prepared	10/13/21 15:09 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 ge Organics (DI Result <50.0	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg Unit mg/Kg		Prepared 10/11/21 13:34	10/13/21 15:09 Analyzed 10/12/21 02:08	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34	10/13/21 15:09 Analyzed 10/12/21 02:08 10/12/21 02:08	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34	Analyzed 10/12/21 02:08 10/12/21 02:08	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared	Analyzed 10/12/21 02:08 10/12/21 02:08 10/12/21 02:08 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U RO) (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared 10/11/21 13:34	Analyzed 10/12/21 02:08 10/12/21 02:08 10/12/21 02:08 Analyzed 10/12/21 02:08	Dil Fac 1 1 Dil Fac 1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U RO) (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared 10/11/21 13:34	Analyzed 10/12/21 02:08 10/12/21 02:08 10/12/21 02:08 Analyzed 10/12/21 02:08	Dil Fac

Client Sample ID: T-6 (8)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/15/21 04:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/15/21 04:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/15/21 04:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 11:45	10/15/21 04:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:45	10/15/21 04:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 11:45	10/15/21 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				10/11/21 11:45	10/15/21 04:01	1

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Lab Sample ID: 890-1384-53

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4.6

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Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-6 (8)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-53 Matrix: Solid

Sample Depth: 8

Method: 8021B - Volatile Organic Compound	s (GC) (Continued)
---	--------------------

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	75		70 - 130	10/11/21 11:45	10/15/21 04:01	1

Mathod:	Total RTFY	- Total BTEX	Calculation
mictilou.	TOTAL DIEN	- IUIUI DI LA	Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/14/21 10:53	1

Method: 8015 NM - Diesel Range	Organics (DRO) (GC)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	144		49.9		mg/Kg		_	10/13/21 15:09	1

	Method: 8015B	NM - Diesei	Range	Organics	(DKO)	(GC)
П				_		

Analyte	Result	Qualifier	KL	MDL	Unit	D	Prepared	Anaiyzed	DII Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/11/21 13:34	10/12/21 02:28	1
(GRO)-C6-C10									
Diesel Range Organics (Over	144		49.9		mg/Kg		10/11/21 13:34	10/12/21 02:28	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/21 13:34	10/12/21 02:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97	70 - 130	10/11/21 13:3	10/12/21 02:28	1
o-Terphenyl	104	70 - 130	10/11/21 13:3	4 10/12/21 02:28	1

Method: 300.0 - Anions, Ion Chromato	graph	y -	Sol	luble	
	_		_		

Analyte	Result Qualif		MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	414	4.97	mg/Kg			10/13/21 17:01	1

Client Sample ID: T-6 (9) Lab Sample ID: 890-1384-54 Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 9

Method: 8021B - Volatile Organic Compounds (GC)

		/							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 04:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 04:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 04:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/21 11:45	10/15/21 04:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 04:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/21 11:45	10/15/21 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/11/21 11:45	10/15/21 04:21	1
1,4-Difluorobenzene (Surr)	73		70 - 130				10/11/21 11:45	10/15/21 04:21	1

Mothod:	Total F	STEX	Total R	TEY Ca	alculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	< 0.00404	U	0.00404		ma/Ka			10/14/21 10:53	1	

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/13/21 15:09	1

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-6 (9)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-54

Matrix: Solid

Sample Depth: 9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/12/21 02:48	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/12/21 02:48	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/12/21 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/11/21 13:34	10/12/21 02:48	1
o-Terphenyl -	107		70 - 130				10/11/21 13:34	10/12/21 02:48	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
					mg/Kg			10/13/21 18:32	

Client Sample ID: T-6 (10) Lab Sample ID: 890-1384-55 Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 04:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 04:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 04:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 11:45	10/15/21 04:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 04:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 11:45	10/15/21 04:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				10/11/21 11:45	10/15/21 04:42	1
1,4-Difluorobenzene (Surr)	74		70 - 130				10/11/21 11:45	10/15/21 04:42	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/14/21 10:53	1
-									
Method: 8015 NM - Diesel Range									
		O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/13/21 15:17	Dil Fac
Analyte Total TPH	Result <50.0	Qualifier U		MDL		<u>D</u>	Prepared		
Analyte	Result <50.0	Qualifier U		MDL	mg/Kg	<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <50.0	Qualifier U RO) (GC) Qualifier	50.0		mg/Kg			10/13/21 15:17	1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 ge Organics (D Result	Qualifier U RO) (GC) Qualifier U	50.0		mg/Kg		Prepared	10/13/21 15:17 Analyzed	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <50.0 ge Organics (D) Result <50.0	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg Unit mg/Kg		Prepared 10/11/21 13:34	10/13/21 15:17 Analyzed 10/12/21 03:08	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 ge Organics (D) Result <50.0	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg Unit mg/Kg		Prepared 10/11/21 13:34	10/13/21 15:17 Analyzed 10/12/21 03:08	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34	10/13/21 15:17 Analyzed 10/12/21 03:08 10/12/21 03:08	1 Dil Fac 1 1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34	Analyzed 10/12/21 03:08 10/12/21 03:08	1 Dil Fac 1

Project/Site: Caballo Section 23 TB

Date Received: 10/08/21 12:01

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-55

Client Sample ID: T-6 (10)

Date Collected: 10/07/21 00:00

Matrix: Solid

Sample Depth: 10

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		25.0		mg/Kg			10/13/21 18:39	5

Client Sample ID: T-6 (11)

Lab Sample ID: 890-1384-56

Date Collected: 10/07/21 00:00 Matrix: Solid

Date Received: 10/08/21 12:01

Sample Depth: 11

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 05:02	
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 05:02	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 05:02	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 11:45	10/15/21 05:02	
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 05:02	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 11:45	10/15/21 05:02	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	126		70 - 130				10/11/21 11:45	10/15/21 05:02	
1,4-Difluorobenzene (Surr)	71		70 - 130				10/11/21 11:45	10/15/21 05:02	
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/14/21 10:53	
Method: 8015 NM - Diesel Range	O								
Method. 0013 MM - Diesei Kange	Organics (DR	O) (GC)							
Analyte	•	O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
· · · · · · · · · · · · · · · · · · ·	•	Qualifier	RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/13/21 15:17	
Analyte	Result <49.9	Qualifier U		MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH	e Organics (D	Qualifier U				<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Rang	e Organics (D	Qualifier U RO) (GC) Qualifier	49.9		mg/Kg			10/13/21 15:17	
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	e Organics (D	Qualifier U RO) (GC) Qualifier U	49.9		mg/Kg		Prepared	10/13/21 15:17 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (Digestrated Result 49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9		mg/Kg Unit mg/Kg		Prepared 10/11/21 13:34	10/13/21 15:17 Analyzed 10/12/21 03:28	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34	10/13/21 15:17 Analyzed 10/12/21 03:28 10/12/21 03:28	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 e Organics (Di Result <49.9 <49.9 <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34	10/13/21 15:17 Analyzed 10/12/21 03:28 10/12/21 03:28	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared	Analyzed 10/12/21 03:28 10/12/21 03:28 10/12/21 03:28 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34 Prepared 10/11/21 13:34	10/13/21 15:17 Analyzed 10/12/21 03:28 10/12/21 03:28 10/12/21 03:28 Analyzed 10/12/21 03:28	Dil Fa

10/13/21 18:46

4.95

mg/Kg

1080

Chloride

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

Lab Sample ID: 890-1384-57

SDG: Lea County NM

Client Sample ID: T-7 (0-1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 05:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 05:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 05:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/21 11:45	10/15/21 05:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:45	10/15/21 05:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/21 11:45	10/15/21 05:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				10/11/21 11:45	10/15/21 05:23	1
1,4-Difluorobenzene (Surr)	76		70 - 130				10/11/21 11:45	10/15/21 05:23	1
Method: Total BTEX - Total BTE	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	58.1		49.8		mg/Kg			10/13/21 15:17	1
Method: 8015B NM - Diesel Rang									
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/12/21 03:48	1
Diesel Range Organics (Over C10-C28)	58.1		49.8		mg/Kg		10/11/21 13:34	10/12/21 03:48	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/21 13:34	10/12/21 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/11/21 13:34	10/12/21 03:48	1
o-Terphenyl	107		70 - 130				10/11/21 13:34	10/12/21 03:48	1
Method: 300.0 - Anions, Ion Chro									
Analyte	Result	Qualifier	RL 4.96	MDL	mg/Kg	D	Prepared	Analyzed 10/13/21 18:54	Dil Fac

Client Sample ID: T-7 (1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:45	10/15/21 05:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:45	10/15/21 05:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:45	10/15/21 05:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 11:45	10/15/21 05:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:45	10/15/21 05:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 11:45	10/15/21 05:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/11/21 11:45	10/15/21 05:43	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1384-58

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-7 (1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 1

Matrix: Solid

Lab Sample ID: 890-1384-59

Matrix: Solid

Lab Sample ID: 890-1384-58

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 70 - 130 1,4-Difluorobenzene (Surr) 10/11/21 11:45 10/15/21 05:43

Method: Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared <0.00402 Total BTEX 0.00402 10/14/21 10:53 mg/Kg

Method: 8015 NM - Diesel Range Organics (DRO) (GC) RL MDL Unit D Prepared Analyzed Dil Fac

Total TPH 49.8 mg/Kg 10/13/21 15:17 82.1

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

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac <49.8 U mg/Kg Gasoline Range Organics 49.8 10/11/21 13:34 10/12/21 04:08 (GRO)-C6-C10 49.8 10/11/21 13:34 10/12/21 04:08 **Diesel Range Organics (Over** 82.1 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 10/11/21 13:34 10/12/21 04:08

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 95 70 - 130 10/11/21 13:34 10/12/21 04:08 10/11/21 13:34 103 70 - 130 10/12/21 04:08 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 4.97 10/13/21 19:01 Chloride 279 mg/Kg

Client Sample ID: T-7 (2)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 10/11/21 11:45 10/15/21 06:04 Toluene <0.00200 U 0.00200 10/11/21 11:45 10/15/21 06:04 mg/Kg Ethylbenzene <0.00200 U 0.00200 10/11/21 11:45 10/15/21 06:04 mg/Kg 10/15/21 06:04 m-Xylene & p-Xylene <0.00400 U 0.00400 10/11/21 11:45 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 10/11/21 11:45 10/15/21 06:04 Xylenes, Total <0.00400 U 0.00400 mg/Kg 10/11/21 11:45 10/15/21 06:04

%Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac 70 - 130 4-Bromofluorobenzene (Surr) 111 10/11/21 11:45 10/15/21 06:04 1,4-Difluorobenzene (Surr) 77 70 - 130 10/11/21 11:45 10/15/21 06:04

Method: Total BTEX - Total BTEX Calculation

Analyte RL MDL D Result Qualifier Unit Prepared Analyzed Dil Fac Total BTEX <0.00400 0.00400 10/14/21 10:53 mg/Kg

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <50.0 U Total TPH 50.0 10/13/21 15:17 mg/Kg

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Client Sample ID: T-7 (2) Lab Sample ID: 890-1384-59

Date Collected: 10/07/21 00:00 Matrix: Solid Date Received: 10/08/21 12:01

Sample Depth: 2

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/21 13:34	10/12/21 04:28	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/21 13:34	10/12/21 04:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 13:34	10/12/21 04:28	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	97		70 - 130				10/11/21 13:34	10/12/21 04:28	
o-Terphenyl	109		70 - 130				10/11/21 13:34	10/12/21 04:28	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.4		5.00		mg/Kg			10/13/21 19:08	1

Client Sample ID: T-7 (3) Lab Sample ID: 890-1384-60 Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 06:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 06:24	1
Ethylbenzene	0.00609		0.00200		mg/Kg		10/11/21 11:45	10/15/21 06:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 11:45	10/15/21 06:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/15/21 06:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 11:45	10/15/21 06:24	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				10/11/21 11:45	10/15/21 06:24	1
1,4-Difluorobenzene (Surr)	88		70 - 130				10/11/21 11:45	10/15/21 06:24	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fa
Total BTEX	0.00609		0.00399	MDL	mg/Kg			10/14/21 10:53	
Total BTEX Method: 8015 NM - Diesel Range Organalyte	0.00609 ganics (DR					D	Prepared		
Total BTEX Method: 8015 NM - Diesel Range Org	0.00609 ganics (DR	O) (GC) Qualifier	0.00399		mg/Kg			10/14/21 10:53	Dil Fac
Method: 8015 NM - Diesel Range Organalyte Total TPH	0.00609 ganics (DRO Result <49.9 rganics (DI	Qualifier U	0.00399 RL	MDL	mg/Kg Unit mg/Kg			10/14/21 10:53 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Organalyte Total TPH Method: 8015B NM - Diesel Range O Analyte	0.00609 ganics (DR) Result <49.9 rganics (DI) Result	Qualifier U RO) (GC) Qualifier	0.00399 RL 49.9	MDL	mg/Kg		Prepared Prepared	10/14/21 10:53 Analyzed 10/13/21 15:17 Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Organalyte	0.00609 ganics (DRO Result <49.9 rganics (DI	Qualifier U RO) (GC) Qualifier	0.00399 RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	10/14/21 10:53 Analyzed 10/13/21 15:17	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Organalyte Total TPH Method: 8015B NM - Diesel Range O Analyte Gasoline Range Organics	0.00609 ganics (DR) Result <49.9 rganics (DI) Result	Qualifier U RO) (GC) Qualifier U Qualifier U	0.00399 RL 49.9	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	10/14/21 10:53 Analyzed 10/13/21 15:17 Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Organalyte Total TPH Method: 8015B NM - Diesel Range O Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	0.00609 ganics (DR) Result <49.9 rganics (DI) Result <49.9	Qualifier U RO) (GC) Qualifier U Qualifier U	0.00399 RL 49.9 RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared 10/11/21 13:34	Analyzed 10/12/21 04:48	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Organalyte Total TPH Method: 8015B NM - Diesel Range O Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	0.00609 ganics (DR) Result <49.9 rganics (DI) Result <49.9	Qualifier U RO) (GC) Qualifier U Qualifier U	0.00399 RL 49.9 RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 10/11/21 13:34 10/11/21 13:34	Analyzed 10/13/21 15:17 Analyzed 10/13/21 04:48 10/12/21 04:48	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Organalyte Total TPH Method: 8015B NM - Diesel Range O Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	0.00609 ganics (DR) Result <49.9 rganics (DI) Result <49.9 <49.9	Qualifier U RO) (GC) Qualifier U Qualifier U	0.00399 RL 49.9 RL 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 10/11/21 13:34 10/11/21 13:34 10/11/21 13:34	Analyzed 10/13/21 15:17 Analyzed 10/13/21 04:48 10/12/21 04:48 10/12/21 04:48	Dil Fac

Client: Tetra Tech, Inc.

Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Lab Sample ID: 890-1384-60

Client Sample ID: T-7 (3)

Date Collected: 10/07/21 00:00

Matrix: Solid Date Received: 10/08/21 12:01 Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Dil Fac Analyte RL MDL Unit D Prepared Analyzed 4.95 10/14/21 14:39 Chloride 63.6 mg/Kg

Client Sample ID: T-7 (4) Lab Sample ID: 890-1384-61 **Matrix: Solid**

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Diesel Range Organics (Over

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		10/11/21 10:24	10/13/21 00:29	1
Toluene	< 0.00199	U F2 F1	0.00199		mg/Kg		10/11/21 10:24	10/13/21 00:29	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		10/11/21 10:24	10/13/21 00:29	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		10/11/21 10:24	10/13/21 00:29	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		10/11/21 10:24	10/13/21 00:29	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		10/11/21 10:24	10/13/21 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/11/21 10:24	10/13/21 00:29	1
1,4-Difluorobenzene (Surr)	78		70 - 130				10/11/21 10:24	10/13/21 00:29	1
Method: Total BTEX - Total B	TEX Calculation		701700				10/11/21 10:24	10, 10, 11 00.20	·
Method: Total BTEX - Total BT Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte				MDL	Unit mg/Kg	<u>D</u>			Dil Fac
	Result <0.00398 nge Organics (DR)	O) (GC) Qualifier	RL			<u>D</u>		Analyzed	Dil Fac Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH	Result <0.00398 nge Organics (DR Result <49.9	U O) (GC) Qualifier U			mg/Kg		Prepared	Analyzed 10/12/21 10:57 Analyzed	1
Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Rar	nge Organics (DR Result <49.9 ange Organics (D	O) (GC) Qualifier U	RL 0.00398 RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 10/12/21 10:57 Analyzed 10/13/21 15:17	Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH	nge Organics (DR Result <49.9 ange Organics (D	U O) (GC) Qualifier U		MDL	mg/Kg		Prepared	Analyzed 10/12/21 10:57 Analyzed	1

Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	10/11/21 15:52	10/12/21 06:30	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130		10/11/21 15:52	10/12/21 06:30	1
o-Terphenyl	115		70 - 130		10/11/21 15:52	10/12/21 06:30	1
— - Telphenyi	113		70 - 730		10/11/21 13.32	10/12/21 00:30	

49.9

mg/Kg

10/11/21 15:52

<49.9 U

Method: 300.0 - Anions, Ion Chroma	atography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	294	5.00	mg/Kg			10/14/21 14:44	1

Eurofins Xenco, Carlsbad

10/12/21 06:30

Client: Tetra Tech, Inc.

Job ID: 890-1384-1

Project/Site: Caballo Section 23 TB

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

Matrix: Solid				Prep Type: Total/NA
_				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1384-1	T-1 (0-1)	139 S1+	77	
890-1384-1 MS	T-1 (0-1)	123	83	
890-1384-1 MSD	T-1 (0-1)	130	82	
890-1384-2	T-1 (1)	132 S1+	73	
890-1384-3	T-1 (2)	136 S1+	71	
890-1384-4	T-1 (3)	135 S1+	77	
890-1384-5	T-1 (4)	126	75	
890-1384-6	T-1 (5)	130	74	
890-1384-7	T-2 (0-1)	137 S1+	76	
890-1384-8	T-2 (1)	155 S1+	78	
890-1384-9	T-2 (2)	119	78	
890-1384-10	T-2 (3)	144 S1+	76	
890-1384-11	T-2 (4)	123	79	
890-1384-12	T-3 (0-1)	132 S1+	77	
890-1384-13	T-3 (1)	123	77	
890-1384-14	T-3 (2)	126	70	
890-1384-15	T-3 (3)	142 S1+	73	
890-1384-16	T-3 (4)	141 S1+	71	
890-1384-17	T-3 (5)	129	73	
890-1384-18	T-3 (6)	136 S1+	76	
890-1384-19	T-3 (7)	132 S1+	75	
890-1384-20	T-3 (8)	142 S1+	77	
890-1384-21	T-4 (0-1)	83	87	
890-1384-21 MS	T-4 (0-1)	116	106	
890-1384-21 MSD	T-4 (0-1)	85	88	
890-1384-22	T-4 (1)	106	75	
890-1384-23	T-4 (2)	103	90	
890-1384-24	T-4 (3)	127	82	
890-1384-25	T-4 (4)	97	73	
890-1384-26	T-4 (5)	108	95	
890-1384-27	T-4 (6)	106	80	
890-1384-28	T-4 (7)	128	110	
890-1384-29	T-4 (8)	93	96	
890-1384-30	T-4 (9)	85	85	
890-1384-31	T-4 (10)	94	129	
890-1384-32	T-4 (11)	84	126	
890-1384-33	T-4 (12)	81	104	
890-1384-34	T-5 (0-1)	90	96	
890-1384-35	T-5 (1)	97	90	
890-1384-36	T-5 (2)	88	117	
890-1384-37	T-5 (3)	105	107	
890-1384-38	T-5 (4)	105	117	
890-1384-39	T-5 (5)	91	96	
890-1384-40	T-5 (6)	78	113	
890-1384-41		76 129	77	
	T-5 (7)			
890-1384-41 MS	T-5 (7)	128	75 82	
890-1384-41 MSD	T-5 (7)	130	82	
890-1384-42	T-5 (8)	137 S1+	79	
890-1384-43	T-5 (9)	139 S1+	79	

Client: Tetra Tech, Inc.

Job ID: 890-1384-1

Project/Site: Caballo Section 23 TB

SDG: Lea County NM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
Lab Canada ID	Olivert Occupie ID	BFB1 (70.120)	DFBZ1	
_ab Sample ID 390-1384-44	Client Sample ID T-5 (10)	(70-130) 132 S1+	(70-130) 75	
390-1384-45	T-6 (0-1)	129	75 80	
390-1384-45		121		
	T-6 (1)	121	78 83	
390-1384-47	T-6 (2)	115	86	
390-1384-48	T-6 (3)			
390-1384-49	T-6 (4)	138 S1+	83	
390-1384-50	T-6 (5)	131 S1+	72	
390-1384-51	T-6 (6)	131 S1+	75	
390-1384-52	T-6 (7)	130	76	
390-1384-53	T-6 (8)	126	75	
390-1384-54	T-6 (9)	103	73	
390-1384-55	T-6 (10)	121	74	
390-1384-56	T-6 (11)	126	71	
390-1384-57	T-7 (0-1)	138 S1+	76	
390-1384-58	T-7 (1)	121	78	
390-1384-59	T-7 (2)	111	77	
390-1384-60	T-7 (3)	138 S1+	88	
390-1384-61	T-7 (4)	108	78	
390-1384-61 MS	T-7 (4)	118	94	
390-1384-61 MSD	T-7 (4)	116	83	
CS 880-9107/1-A	Lab Control Sample	116	76	
CS 880-9120/1-A	Lab Control Sample	116	80	
CS 880-9121/1-A	Lab Control Sample	88	102	
CS 880-9202/1-A	Lab Control Sample	117	79	
CSD 880-9107/2-A	Lab Control Sample Dup	118	89	
CSD 880-9120/2-A	Lab Control Sample Dup	119	82	
CSD 880-9202/2-A	Lab Control Sample Dup	118	80	
MB 880-8942/5-B	Method Blank	112	79	
MB 880-9107/5-A	Method Blank	113	76	
MB 880-9119/5-A	Method Blank	103	79	
MB 880-9120/5-A	Method Blank	104	80	
MB 880-9121/5-A	Method Blank	120	101	
ИВ 880-9202/5-A	Method Blank	104	77	
MB 880-9327/5-A	Method Blank	110	71	
MB 880-9367/5-A	Method Blank	101	100	
Surrogate Legend				
BFB = 4-Bromofluorober	azono (Surr)			

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			
LCSD 880-9121/2-A	Lab Control Sample Dup			
Surrogate Legend				
BFB = 4-Bromofluorobe	enzene (Surr)			
DFBZ = 1,4-Difluorober	nzene (Surr)			

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

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

Prop Type: Total/NA

	4004	OTD!!4	Percent Surrogate Recovery (Acceptance Limits)
Client Sample ID			
<u>-</u>			· —— —— —— —— —— ——
·			
·			
	92	103	
T-3 (7)	95	107	
T-3 (8)	91	102	
T-4 (0-1)	108	121	
T-4 (0-1)	107	108	
T-4 (0-1)	107	107	
T-4 (1)	109	123	
T-4 (2)	112	122	
T-4 (3)	120	131 S1+	
T-4 (4)	106	116	
T-4 (5)	106	120	
T-4 (6)	133 S1+	131 S1+	
T-4 (7)	103	113	
T-4 (8)	105	116	
T 4 (6)	108	122	
	107	120	
1-5 (8) T-5 (9)	94	105 110	
	T-4 (0-1) T-4 (0-1) T-4 (0-1) T-4 (0-1) T-4 (1) T-4 (2) T-4 (3) T-4 (4) T-4 (5) T-4 (6) T-4 (7) T-4 (8) T-4 (9) T-4 (10) T-4 (11) T-5 (1) T-5 (1) T-5 (2) T-5 (3) T-5 (4) T-5 (5) T-5 (6) T-5 (7) T-5 (7) T-5 (7) T-5 (8)	T-1 (0-1)	Client Sample ID (70-130) (70-130) T-1 (0-1) 94 102 T-1 (0-1) 88 90 T-1 (0-1) 90 90 T-1 (1) 95 104 T-1 (2) 92 102 T-1 (3) 98 107 T-1 (3) 98 107 T-1 (4) 91 99 T-1 (5) 90 99 T-2 (0-1) 85 94 T-2 (1) 90 97 T-2 (2) 97 104 T-2 (3) 88 97 T-2 (4) 93 103 T-3 (0-1) 101 112 T-3 (1) 65 S1- 72 T-3 (2) 91 101 T-3 (3) 95 106 T-3 (4) 89 98 T-3 (5) 97 105 T-3 (6) 92 103 T-3 (7) 95 107 T-3 (8) 91 <

Client: Tetra Tech, Inc.

Job ID: 890-1384-1

Project/Site: Caballo Section 23 TB

SDG: Lea County NM

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

Matrix: Solid Prep Type: Total/NA

		4004	070114	Percent Surrogate Recovery (Acceptance Limits)
Lab Camala ID	Olicent Occupie ID	1CO1	OTPH1 (70-130)	
Lab Sample ID 890-1384-45		(70-130) 	103	· —— —— —— —— ——
890-1384-46	T-6 (1)	95	105	
890-1384-47	T-6 (2)	93	103	
890-1384-48	T-6 (3)	95 95	103	
890-1384-49	T-6 (4)	97	107	
		97 95	107	
890-1384-50	T-6 (5)			
890-1384-51	T-6 (6)	90	100	
890-1384-52	T-6 (7)	95	105	
890-1384-53	T-6 (8)	97	104	
890-1384-54	T-6 (9)	97	107	
890-1384-55	T-6 (10)	96	109	
890-1384-56	T-6 (11)	96	106	
890-1384-57	T-7 (0-1)	96	107	
890-1384-58	T-7 (1)	95	103	
890-1384-59	T-7 (2)	97	109	
890-1384-60	T-7 (3)	93	103	
890-1384-61	T-7 (4)	104	115	
890-1384-61 MS	T-7 (4)	95	92	
890-1384-61 MSD	T-7 (4)	110	112	
LCS 880-9190/2-A	Lab Control Sample	102	105	
LCS 880-9191/2-A	Lab Control Sample	92	92	
LCS 880-9215/2-A	Lab Control Sample	83	82	
LCS 880-9249/2-A	Lab Control Sample	88	85	
LCSD 880-9190/3-A	Lab Control Sample Dup	91	95	
LCSD 880-9191/3-A	Lab Control Sample Dup	87	90	
LCSD 880-9215/3-A	Lab Control Sample Dup	92	89	
LCSD 880-9249/3-A	Lab Control Sample Dup	93	92	
MB 880-9190/1-A	Method Blank	95	108	
MB 880-9191/1-A	Method Blank	109	126	
MB 880-9215/1-A	Method Blank	100	113	
MB 880-9249/1-A	Method Blank	104	121	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Tetra Tech, Inc.

Job ID: 890-1384-1

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8942/5-B

Project/Site: Caballo Section 23 TB

Matrix: Solid

Xylenes, Total

Analysis Batch: 9282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8942

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 16:18	10/12/21 13:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 16:18	10/12/21 13:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 16:18	10/12/21 13:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 16:18	10/12/21 13:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 16:18	10/12/21 13:02	1

mg/Kg

MB MB

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	79	70 - 130

<0.00400 U

Dil Fac Prepared Analyzed 10/11/21 16:18 10/12/21 13:02 10/11/21 16:18 10/12/21 13:02

10/12/21 13:02

10/11/21 16:18

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

Prep Batch: 9107

Analysis Batch: 9282

Matrix: Solid

Lab Sample ID: MB 880-9107/5-A

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:24	10/13/21 00:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:24	10/13/21 00:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:24	10/13/21 00:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 10:24	10/13/21 00:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:24	10/13/21 00:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 10:24	10/13/21 00:07	1

0.00400

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	10/11/21 10:24	10/13/21 00:07	1
1,4-Difluorobenzene (Surr)	76		70 - 130	10/11/21 10:24	10/13/21 00:07	1

Lab Sample ID: LCS 880-9107/1-A

Matrix: Solid Analysis Batch: 9282 **Client Sample ID: Lab Control Sample**

Prep Type: Total/NA Prep Batch: 9107

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08696		mg/Kg		87	70 - 130	
Toluene	0.100	0.09149		mg/Kg		91	70 - 130	
Ethylbenzene	0.100	0.09658		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.2006		mg/Kg		100	70 - 130	
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifi	er Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1,4-Difluorobenzene (Surr)	76	70 - 130

Lab Sample ID: LCSD 880-9107/2-A

Matrix: Solid

Analysis Batch: 9282

Client Sample ID:	Lab Control Sample Dup
	Duny Towns Total/NIA

Prep Type: Total/NA

Prep Batch: 9107

	Spike	LCSD LCSD				%Rec.		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09585	mg/Kg		96	70 - 130	10	35

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QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1384-1 SDG: Lea County NM Project/Site: Caballo Section 23 TB

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

Lab Sample ID: LCSD 880-9107/2-A

Matrix: Solid

Analysis Batch: 9282

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9107

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.09537		mg/Kg		95	70 - 130	4	35
Ethylbenzene	0.100	0.09761		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2048		mg/Kg		102	70 - 130	2	35
o-Xylene	0.100	0.1041		mg/Kg		104	70 - 130	3	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-1384-61 MS

Matrix: Solid

Analysis Batch: 9282

Client Sample ID: T-7 (4) Prep Type: Total/NA

Prep Batch: 9107

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F2 F1	0.101	0.006995	F1	mg/Kg		7	70 - 130	
Toluene	<0.00199	U F2 F1	0.101	0.003884	F1	mg/Kg		3	70 - 130	
Ethylbenzene	<0.00199	U F2 F1	0.101	0.03125	F1	mg/Kg		31	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.09985	F1	mg/Kg		50	70 - 130	
o-Xylene	< 0.00199	U F1	0.101	0.05300	F1	mg/Kg		53	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	118	70 - 130
1,4-Difluorobenzene (Surr)	94	70 - 130

Lab Sample ID: 890-1384-61 MSD

Matrix: Solid

Analysis Batch: 9282

Client Sample ID: T-7 (4)

Prep Type: Total/NA

Prep Batch: 9107

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F2 F1	0.100	0.06467	F2 F1	mg/Kg		65	70 - 130	161	35
Toluene	<0.00199	U F2 F1	0.100	0.06437	F2 F1	mg/Kg		64	70 - 130	177	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.06621	F2 F1	mg/Kg		66	70 - 130	72	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1420		mg/Kg		71	70 - 130	35	35
o-Xylene	<0.00199	U F1	0.100	0.07371		mg/Kg		74	70 - 130	33	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1,4-Difluorobenzene (Surr)	83	70 - 130

Lab Sample ID: MB 880-9119/5-A

Matrix: Solid

Analysis Batch: 9431

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9119

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/13/21 16:00	10/14/21 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/13/21 16:00	10/14/21 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/13/21 16:00	10/14/21 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/13/21 16:00	10/14/21 11:42	1

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Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

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

Lab Sample ID: MB 880-9119/5-A

Matrix: Solid

Analysis Batch: 9431

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 9119

MB MB

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/13/21 16:00	10/14/21 11:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/13/21 16:00	10/14/21 11:42	1

MP MP

	IVID IVID				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103	70 - 130	10/13/21 16:00	10/14/21 11:42	1
1,4-Difluorobenzene (Surr)	79	70 - 130	10/13/21 16:00	10/14/21 11:42	1

Client Sample ID: Method Blank

Lab Sample ID: MB 880-9120/5-A **Matrix: Solid**

Analysis Batch: 9368

Prep Type: Total/NA Prep Batch: 9120

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/13/21 23:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/13/21 23:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/13/21 23:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 10:30	10/13/21 23:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/13/21 23:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 10:30	10/13/21 23:34	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	 10/11/21 10:30	10/13/21 23:34	1
1,4-Difluorobenzene (Surr)	80		70 - 130	10/11/21 10:30	10/13/21 23:34	1

Lab Sample ID: LCS 880-9120/1-A

Matrix: Solid

Analysis Batch: 9368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9120

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08263		mg/Kg		83	70 - 130	
Toluene	0.100	0.08697		mg/Kg		87	70 - 130	
Ethylbenzene	0.100	0.09487		mg/Kg		95	70 - 130	
m-Xylene & p-Xylene	0.200	0.1972		mg/Kg		99	70 - 130	
o-Xylene	0.100	0.1001		mg/Kg		100	70 - 130	

LCS LCS

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1,4-Difluorobenzene (Surr)	80	70 - 130

Lab Sample ID: LCSD 880-9120/2-A

Matrix: Solid

Analysis Batch: 9368

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

Prep Batch: 9120

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08489		mg/Kg		85	70 - 130	3	35
Toluene	0.100	0.08878		mg/Kg		89	70 - 130	2	35
Ethylbenzene	0.100	0.09597		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2005		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.1034		mg/Kg		103	70 - 130	3	35

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QC Sample Results

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 890-1384-1 MS Client Sample ID: T-1 (0-1) **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 9368 Prep Batch: 9120

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1	0.100	0.06975	F1	mg/Kg		69	70 - 130	
Toluene	<0.00202	U F1	0.100	0.07052		mg/Kg		70	70 - 130	
Ethylbenzene	<0.00202	U F1	0.100	0.07127		mg/Kg		71	70 - 130	
m-Xylene & p-Xylene	<0.00403	U F1	0.201	0.1489		mg/Kg		74	70 - 130	
o-Xylene	<0.00202	U	0.100	0.07561		mg/Kg		75	70 - 130	
	Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Analyte Result Benzene <0.00202	Benzene <0.00202	Analyte Result Qualifier Added Benzene <0.00202	Analyte Result Benzene Qualifier Qualifier Added Added Added Added Added Senzene Result Qualifier Added Adde	Analyte Result Qualifier Added Result Qualifier Benzene <0.00202	Analyte Result Qualifier Added Result Qualifier Unit Benzene <0.00202	Analyte Result Benzene Qualifier Added Output Result Qualifier Unit Unit Unit Unit Unit Unit Unit Unit	Analyte Result Qualifier Added Result Qualifier Unit D %Rec Benzene <0.00202	Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Benzene <0.00202

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

Lab Sample ID: 890-1384-1 MSD Client Sample ID: T-1 (0-1) Matrix: Solid Prep Type: Total/NA

Prep Batch: 9120 **Analysis Batch: 9368**

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1	0.100	0.06685	F1	mg/Kg		67	70 - 130	4	35
Toluene	<0.00202	U F1	0.100	0.06682	F1	mg/Kg		67	70 - 130	5	35
Ethylbenzene	<0.00202	U F1	0.100	0.06614	F1	mg/Kg		66	70 - 130	7	35
m-Xylene & p-Xylene	<0.00403	U F1	0.201	0.1378	F1	mg/Kg		69	70 - 130	8	35
o-Xylene	< 0.00202	U	0.100	0.07076		mg/Kg		70	70 - 130	7	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1.4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: MB 880-9121/5-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 9391 Prep Batch: 9121 мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 10:30	10/14/21 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 10:30	10/14/21 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 10:30	10/14/21 11:23	1

	MB	MB					
Surrogate	%Recovery	Qualifier	Limits	P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	10/1	1/21 10:30	10/14/21 11:23	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/1	1/21 10:30	10/14/21 11:23	1

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

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

Lab Sample ID: LCS 880-9121/1-A

Matrix: Solid Analysis Batch: 9391 Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 9121

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08552		mg/Kg		86	70 - 130	
Toluene	0.100	0.1121		mg/Kg		112	70 - 130	
Ethylbenzene	0.100	0.07566		mg/Kg		76	70 - 130	
m-Xylene & p-Xylene	0.200	0.1490		mg/Kg		75	70 - 130	
o-Xylene	0.100	0.07163		mg/Kg		72	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1.4-Difluorobenzene (Surr)	102		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9121

Prep Batch: 9121

Lab Sample ID: LCSD 880-9121/2-A **Matrix: Solid**

Analysis Batch: 9391

•	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07724		mg/Kg					
Toluene	0.100	0.07704		mg/Kg					
Ethylbenzene	0.100	0.08226		mg/Kg					
m-Xylene & p-Xylene	0.200	0.1473		mg/Kg					
o-Xylene	0.100	0.07475		mg/Kg					

LCSD LCSD

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-1384-21 MS Client Sample ID: T-4 (0-1) Matrix: Solid Prep Type: Total/NA

Analysis Batch: 9391

-	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1 F2	0.100	0.08389		mg/Kg		84	70 - 130	
Toluene	<0.00200	U F1 F2	0.100	0.08268		mg/Kg		82	70 - 130	
Ethylbenzene	<0.00200	U F1 F2	0.100	0.07165		mg/Kg		71	70 - 130	
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.09099	F1	mg/Kg		45	70 - 130	
o-Xylene	0.00726	F1 F2	0.100	0.07644	F1	mg/Kg		69	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: 890-1384-21 MSD Client Sample ID: T-4 (0-1) Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 9391									Pre	p Batch	: 9121
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1 F2	0.0990	0.03514	F1 F2	mg/Kg		35	70 - 130	82	35
Toluene	<0.00200	U F1 F2	0.0990	0.03663	F1 F2	mg/Kg		36	70 - 130	77	35
Ethylbenzene	<0.00200	U F1 F2	0.0990	0.02985	F1 F2	mg/Kg		29	70 ₋ 130	82	35

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Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

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

Lab Sample ID: 890-1384-21 MSD

Matrix: Solid

Analysis Batch: 9391

Client Sample ID: T-4 (0-1)

Prep Type: Total/NA Prep Batch: 9121

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.198	0.04408	F1 F2	mg/Kg		21	70 - 130	69	35
o-Xylene	0.00726	F1 F2	0.0990	0.02903	F1 F2	mg/Kg		22	70 - 130	90	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9202

Lab Sample ID: MB 880-9202/5-A

Matrix: Solid

Analysis Batch: 9431

	INID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 22:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 22:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 22:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 11:45	10/14/21 22:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:45	10/14/21 22:33	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		10/11/21 11:45	10/14/21 22:33	1

мв мв

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104	70 - 130	10/11/21 11:45	10/14/21 22:33	1
1,4-Difluorobenzene (Surr)	77	70 - 130	10/11/21 11:45	10/14/21 22:33	1

Lab Sample ID: LCS 880-9202/1-A

Matrix: Solid

Analysis Batch: 9431

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9202

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07515		mg/Kg		75	70 - 130	
Toluene	0.100	0.07812		mg/Kg		78	70 - 130	
Ethylbenzene	0.100	0.08356		mg/Kg		84	70 - 130	
m-Xylene & p-Xylene	0.200	0.1785		mg/Kg		89	70 - 130	
o-Xylene	0.100	0.09060		mg/Kg		91	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	117	70 - 130
1,4-Difluorobenzene (Surr)	79	70 - 130

Lab Sample ID: LCSD 880-9202/2-A

Matrix: Solid

Analysis Batch: 9431

Client Sampl	e ID: Lab	Control	Sample	Dup
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Prep Type: Total/NA

Prep Batch: 9202

ı										
		Spike	LCSD	LCSD				%Rec.		RPD
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Benzene	0.100	0.08460		mg/Kg		85	70 - 130	12	35
	Toluene	0.100	0.08845		mg/Kg		88	70 - 130	12	35
	Ethylbenzene	0.100	0.09526		mg/Kg		95	70 - 130	13	35
	m-Xylene & p-Xylene	0.200	0.2036		mg/Kg		102	70 - 130	13	35
	o-Xylene	0.100	0.1037		mg/Kg		104	70 - 130	14	35

QC Sample Results

Job ID: 890-1384-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB SDG: Lea County NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: 890-1384-41 MS

Matrix: Solid

Analysis Batch: 9431

Prep Batch: 9202 Sample Sample Spike MS MS %Rec. Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene <0.00200 0.101 0.07633 76 70 - 130 mg/Kg Toluene <0.00200 U 0.101 70 - 130 0.08225 mg/Kg 81 Ethylbenzene <0.00200 U 0.101 0.08831 mg/Kg 87 70 - 130 m-Xylene & p-Xylene <0.00401 U 0.202 0.1873 93 70 - 130 mg/Kg

0.09496

mg/Kg

0.101

MS MS

<0.00200 U

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

Lab Sample ID: 890-1384-41 MSD

Matrix: Solid

o-Xylene

Analysis Batch: 9431

Client Sample ID: T-5 (7) Prep Type: Total/NA

70 - 130

94

Client Sample ID: T-5 (7)

Prep Type: Total/NA

Prep Batch: 9202

Spike MSD MSD %Rec. **RPD** Sample Sample Limit Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Benzene 0.100 35 <0.00200 0.07741 mg/Kg 77 70 - 130 Toluene <0.00200 U 0.100 0.08238 mg/Kg 82 70 - 130 35 0 Ethylbenzene <0.00200 U 0.100 0.08827 mg/Kg 88 70 - 130 35 m-Xylene & p-Xylene <0.00401 U 0.201 0.1871 mg/Kg 93 70 - 130 35 o-Xylene <0.00200 U 0.100 0.09609 mg/Kg 95 70 - 130 35

MSD MSD

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

Lab Sample ID: MB 880-9327/5-A

Matrix: Solid

Analysis Batch: 9368

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 9327

-	MB	MB						-	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/12/21 16:16	10/13/21 12:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/12/21 16:16	10/13/21 12:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/12/21 16:16	10/13/21 12:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/12/21 16:16	10/13/21 12:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/12/21 16:16	10/13/21 12:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/12/21 16:16	10/13/21 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/12/21 16:16	10/13/21 12:41	1
1,4-Difluorobenzene (Surr)	71		70 - 130	10/12/21 16:16	10/13/21 12:41	1

Job ID: 890-1384-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB SDG: Lea County NM

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

Lab Sample ID: MB 880-9367/5-A

Matrix: Solid Analysis Batch: 9391 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9367

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/13/21 09:16	10/13/21 18:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/13/21 09:16	10/13/21 18:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/13/21 09:16	10/13/21 18:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/13/21 09:16	10/13/21 18:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/13/21 09:16	10/13/21 18:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/13/21 09:16	10/13/21 18:29	1

MB MB

MB MB Result Qualifier

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/13/21 09:16	10/13/21 18:29	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/13/21 09:16	10/13/21 18:29	1

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

Lab Sample ID: MB 880-9190/1-A

Matrix: Solid

Analysis Batch: 9180

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9190

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/11/21 20:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/11/21 20:49	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 10:32	10/11/21 20:49	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95	70 - 130	10/11/21 10:32	10/11/21 20:49	1
o-Terphenyl	108	70 - 130	10/11/21 10:32	10/11/21 20:49	1

Lab Sample ID: LCS 880-9190/2-A

Matrix: Solid

Analysis Batch: 9180

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 9190

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	874.1		mg/Kg		87	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	891.3		mg/Kg		89	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	102	70 - 130
o-Terphenyl	105	70 - 130

Lab Sample ID: LCSD 880-9190/3-A

Released to Imaging: 6/29/2022 3:01:36 PM

Matrix: Solid

Analysis Batch: 9180

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

Prep Batch: 9190

LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits Limit Gasoline Range Organics 1000 833.0 mg/Kg 83 70 - 130

(GRO)-C6-C10

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1

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

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

Lab Sample ID: LCSD 880-9190/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 9180** Prep Batch: 9190 Spike LCSD LCSD %Rec. RPD Added Result Qualifier Unit %Rec Limits RPD Limit D 1000 890.3 89 20 Diesel Range Organics (Over mg/Kg 70 - 1300

C10-C28)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 890-1384-1 MS Client Sample ID: T-1 (0-1)

	Comple Comple	Cnika	MC MC	0/ Baa
Analysis Batch: 9180				Prep Batch: 9190
Matrix: Solid				Prep Type: Total/NA

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <49.9 U 997 778.2 78 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 53.5 F1 997 691.3 F1 mg/Kg 64 70 - 130

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	90		70 - 130

Client Sample ID: T-1 (0-1) Lab Sample ID: 890-1384-1 MSD Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 9180									Pre	p Batch	: 9190
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	1000	810.3		mg/Kg		81	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over	53.5	F1	1000	702.5	F1	mg/Kg		65	70 - 130	2	20

C10-C28)

	MSD	INISD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: MB 880-9191/1-A

Matrix: Solid

Analysis Batch: 9185

Client Sample ID: Method Bla	nk
Prep Type: Total/	NA

Prep Batch: 9191

ı		IVID	IVID							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/11/21 20:49	1
l	(GRO)-C6-C10									
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/11/21 20:49	1
	C10-C28)									
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 10:50	10/11/21 20:49	1
ı										

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	10/11/21 10:50	10/11/21 20:49	1
o-Terphenyl	126		70 - 130	10/11/21 10:50	10/11/21 20:49	1

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10/18/2021

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

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

Lab Sample ID: LCS 880-9191/2-A

Matrix: Solid Analysis Batch: 9185 Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 9191

Spike LCS LCS Added Analyte Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 888.4 mg/Kg 89 70 - 130 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1035 mg/Kg 104 70 - 130 C10-C28)

	LCS			
Surrogate	%Recovery	Qualifier	Limits	
1-Chlorooctane	92		70 - 130	
o-Terphenyl	92		70 - 130	

Lab Sample ID: LCSD 880-9191/3-A

Matrix: Solid

Analysis Batch: 9185

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 9191

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit 1000 862.2 86 70 - 130 3 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1017 mg/Kg 102 70 - 130 2 20

C10-C28)

	LUSD	LUSD	CSD		
Surrogate	%Recovery	Qualifier	Limits		
1-Chlorooctane	87		70 - 130		
o-Terphenyl	90		70 - 130		

100D 100D

MS MS

Lab Sample ID: 890-1384-21 MS

Matrix: Solid

Analysis Batch: 9185

Client Sample ID: T-4 (0-1)

Prep Type: Total/NA

Prep Batch: 9191

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	932.1		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)	62.8		997	1051		mg/Kg		99	70 - 130	

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 890-1384-21 MSD

Matrix: Solid

Surrogate

1-Chlorooctane

Analysis Batch: 9185

Client	Sample	e ID:	T-4	(0-1)

Prep Type: Total/NA

Prep Batch: 9191

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	933.4		mg/Kg		93	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	62.8		1000	1066		mg/Kg		100	70 - 130	1	20

MSD MSD %Recovery Qualifier Limits 70 - 130 107

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

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

Lab Sample ID: 890-1384-21 MSD

Matrix: Solid

Analysis Batch: 9185

Client Sample ID: T-4 (0-1)

Prep Type: Total/NA

Prep Batch: 9191

MSD MSD

%Recovery Qualifier Surrogate Limits o-Terphenyl 107 70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9215

Prep Type: Total/NA

Lab Sample ID: MB 880-9215/1-A

Matrix: Solid

Analysis Batch: 9176

MD MD

	IVID	MID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/11/21 13:34	10/11/21 20:24	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/11/21 13:34	10/11/21 20:24	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 13:34	10/11/21 20:24	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	10/11/21 13:34	10/11/21 20:24	1
o-Terphenyl	113		70 - 130	10/11/21 13:34	10/11/21 20:24	1

Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 9176

Lab Sample ID: LCS 880-9215/2-A

Prep Batch: 9215

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	978.5		mg/Kg		98	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	876.7		mg/Kg		88	70 - 130	
C10-C28)								

C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	83	70 - 130
o-Terphenyl	82	70 - 130

Lab Sample ID: LCSD 880-9215/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 9176

Prep Type: Total/NA

Prep Batch: 9215

		эріке	LCSD	LCSD			70Rec.		KPD
	Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	RPD	Limit
	Gasoline Range Organics	1000	1018		mg/Kg	102	70 - 130	4	20
	(GRO)-C6-C10								
	Diesel Range Organics (Over	1000	855.8		mg/Kg	86	70 - 130	2	20
ı									

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	89		70 - 130

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

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

Lab Sample ID: 890-1384-41 MS

Matrix: Solid

Analysis Batch: 9176

Client Sample ID: T-5 (7) Prep Type: Total/NA

Prep Batch: 9215

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	<49.9	U	997	1167		mg/Kg		114	70 - 130
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	997	1032		mg/Kg		101	70 - 130
C10-C28)									
	МС	Me							

Limits 70 - 130

70 - 130

o-Terphenyl 118

Lab Sample ID: 890-1384-41 MSD

1-Chlorooctane

Surrogate

Matrix: Solid

Analysis Batch: 9176

Client Sample ID: T-5 (7)

Prep Type: Total/NA Prep Batch: 9215

Sample Sample Spike MSD MSD %Rec. RPD Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits **RPD** Limit <49.9 U 1000 1202 118 70 - 130 3 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 1000 999.9 mg/Kg 98 70 - 130 3 20 C10-C28)

MSD MSD

%Recovery Qualifier

117

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	113	70 - 130
o-Terphenyl	110	70 - 130

Lab Sample ID: MB 880-9249/1-A

Matrix: Solid

Analysis Batch: 9176

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9249

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/21 15:52	10/12/21 05:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/21 15:52	10/12/21 05:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/21 15:52	10/12/21 05:28	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	10/11/21 15:52	10/12/21 05:28	1
o-Terphenyl	121		70 - 130	10/11/21 15:52	10/12/21 05:28	1

Lab Sample ID: LCS 880-9249/2-A

Matrix: Solid

Analysis Batch: 9176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9249

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	996.0	-	mg/Kg		100	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	907.1		mg/Kg		91	70 - 130	
C10-C28)								

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Job ID: 890-1384-1

SDG: Lea County NM

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

Lab Sample ID: LCS 880-9249/2-A

Project/Site: Caballo Section 23 TB

Matrix: Solid

Analysis Batch: 9176

Client: Tetra Tech, Inc.

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9249

LCS LCS

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 88
 70 - 130

 o-Terphenyl
 85
 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9249

Prep Batch: 9249

Lab Sample ID: LCSD 880-9249/3-A

Matrix: Solid

Analysis Batch: 9176

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 938.8 94 70 - 1306 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 891.4 89 mg/Kg 70 - 1302 20 C10-C28)

LCSD LCSD

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 93
 70 - 130

 o-Terphenyl
 92
 70 - 130

Lab Sample ID: 890-1384-61 MS Client Sample ID: T-7 (4)

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 9176

Sample Sample Spike MS MS %Rec.

Analyte Added Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 997 1107 mg/Kg 109 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 997 913.7 mg/Kg 90 70 - 130

C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 95
 70 - 130

 o-Terphenyl
 92
 70 - 130

Lab Sample ID: 890-1384-61 MSD Client Sample ID: T-7 (4)

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 9176 Prep Batch: 9249

Sample Sample MSD MSD RPD Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U 1000 1158 Gasoline Range Organics <49.9 mg/Kg 114 70 - 130 20 (GRO)-C6-C10

1075

mg/Kg

106

70 - 130

1000

Diesel Range Organics (Over C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 110
 70 - 130

 o-Terphenyl
 112
 70 - 130

<49.9 U

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Client Sample ID: Method Blank

Prep Type: Soluble

Job ID: 890-1384-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9211/1-A

Matrix: Solid

Analysis Batch: 9317

Analyte Chloride

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<5.00	U	5.00		mg/Kg			10/12/21 16:53	1

Lab Sample ID: LCS 880-9211/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9317

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	253.0		mg/Kg		101	90 - 110	

Lab Sample ID: LCSD 880-9211/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 9317

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	258.8		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-7011-A-24-E MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9317

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	76.8		248	348.8		mg/Kg		110	90 - 110	

Lab Sample ID: 880-7011-A-24-F MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9317

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	76.8		248	348.0		mg/Kg		109	90 - 110		20	

Lab Sample ID: MB 880-9212/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9318

MB MB Analyte Result Qualifier Dil Fac RL MDL Unit Prepared Analyzed 5.00 Chloride <5.00 U mg/Kg 10/13/21 00:19

Lab Sample ID: LCS 880-9212/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9318

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	256.7	-	mg/Kg		103	90 - 110	

Lab Sample ID: LCSD 880-9212/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9318

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	 250	259.0		mg/Kg		104	90 - 110	1	20

Job ID: 890-1384-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1384-8 MS Client Sample ID: T-2 (1) **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9318

Spike MS MS %Rec. Sample Sample Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Chloride 8790 2490 11390 mg/Kg 104 90 - 110

Lab Sample ID: 890-1384-8 MSD Client Sample ID: T-2 (1) **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9318

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 8790 2490 11430 mg/Kg 106 90 - 110 0

Lab Sample ID: 890-1384-18 MS Client Sample ID: T-3 (6) **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9318

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Chloride 1040 250 1198 mg/Kg 61 90 - 110

Lab Sample ID: 890-1384-18 MSD

Matrix: Solid

Analysis Batch: 9318

MSD MSD RPD Spike %Rec. Sample Sample Added RPD Limit Analyte Result Qualifier Result Qualifier Unit %Rec Limits Chloride 1040 250 1196 61 90 - 110 mg/Kg

Lab Sample ID: MB 880-9213/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 9319

MR MR Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 5.00 Chloride <5.00 U mg/Kg 10/12/21 16:54

Lab Sample ID: LCS 880-9213/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9319

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 262 2 mg/Kg 105 90 - 110

Lab Sample ID: LCSD 880-9213/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 9319

LCSD LCSD %Rec. RPD Spike Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 250 262.2 mg/Kg 105 90 - 110 20

Lab Sample ID: 890-1384-30 MS Client Sample ID: T-4 (9) **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 9319

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Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 42.0 F1 253 330.0 F1 mg/Kg 114 90 - 110

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Client Sample ID: T-3 (6)

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Job ID: 890-1384-1 Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1384-30 MSD Client Sample ID: T-4 (9) **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9319

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits RPD Limit Chloride 42.0 F1 253 313.6 mg/Kg 108 90 - 110

Lab Sample ID: MB 880-9214/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9320 мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg		_	10/13/21 08:53	1

Lab Sample ID: LCS 880-9214/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9320

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	243.3		mg/Kg		97	90 - 110	

Lab Sample ID: LCSD 880-9214/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9320

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	245.9		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-1384-40 MS Client Sample ID: T-5 (6) **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9320

	Sample	Janipie	Spike	IVIO	WIO				/ortec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	470		250	702.5		mg/Kg	_	93	90 - 110	

Snika

Sample Sample

Lab Sample ID: 890-1384-40 MSD Client Sample ID: T-5 (6) **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 9320

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	470		250	708.1		ma/Ka		95	90 - 110		20	

Lab Sample ID: 890-1384-50 MS Client Sample ID: T-6 (5) **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 9320

_	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	58.6		248	320.3		ma/Ka		106	90 - 110

Lab Sample ID: 890-1384-50 MSD Client Sample ID: T-6 (5) **Prep Type: Soluble**

Matrix: Solid

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Analysis Batch: 9320											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	58.6		248	318.6		mg/Kg		105	90 - 110	1	20

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Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 890-1384-1

Project/Site: Caballo Section 23 TB

SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9290/1-A

Matrix: Solid

Analysis Batch: 9456

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 Analyte
 Result
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 Chloride
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 U
 5.00
 mg/Kg
 10/14/21 12:01
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Lab Sample ID: LCS 880-9290/2-A

Matrix: Solid

Analysis Batch: 9456

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 244.3 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-9290/3-A

Matrix: Solid

Analysis Batch: 9456

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 245.4 mg/Kg 90 - 110

Lab Sample ID: 880-7007-A-1-B MS

Matrix: Solid

Analysis Batch: 9456

MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 5000 Chloride 18700 F1 24570 F1 117 90 - 110 mg/Kg

Lab Sample ID: 880-7007-A-1-C MSD

Matrix: Solid

Analysis Batch: 9456

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 18700 F1 5000 24640 F1 Chloride mg/Kg 118 90 - 110 20

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Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

GC VOA

Prep Batch: 8942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8942/5-B	Method Blank	Total/NA	Solid	5035	

Prep Batch: 9107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-61	T-7 (4)	Total/NA	Solid	5035	
MB 880-9107/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9107/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9107/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1384-61 MS	T-7 (4)	Total/NA	Solid	5035	
890-1384-61 MSD	T-7 (4)	Total/NA	Solid	5035	

Prep Batch: 9119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-9119/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 9120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-1	T-1 (0-1)	Total/NA	Solid	5035	
890-1384-2	T-1 (1)	Total/NA	Solid	5035	
890-1384-3	T-1 (2)	Total/NA	Solid	5035	
890-1384-4	T-1 (3)	Total/NA	Solid	5035	
890-1384-5	T-1 (4)	Total/NA	Solid	5035	
890-1384-6	T-1 (5)	Total/NA	Solid	5035	
890-1384-7	T-2 (0-1)	Total/NA	Solid	5035	
890-1384-8	T-2 (1)	Total/NA	Solid	5035	
890-1384-9	T-2 (2)	Total/NA	Solid	5035	
890-1384-10	T-2 (3)	Total/NA	Solid	5035	
890-1384-11	T-2 (4)	Total/NA	Solid	5035	
890-1384-12	T-3 (0-1)	Total/NA	Solid	5035	
890-1384-13	T-3 (1)	Total/NA	Solid	5035	
890-1384-14	T-3 (2)	Total/NA	Solid	5035	
890-1384-15	T-3 (3)	Total/NA	Solid	5035	
890-1384-16	T-3 (4)	Total/NA	Solid	5035	
890-1384-17	T-3 (5)	Total/NA	Solid	5035	
890-1384-18	T-3 (6)	Total/NA	Solid	5035	
890-1384-19	T-3 (7)	Total/NA	Solid	5035	
890-1384-20	T-3 (8)	Total/NA	Solid	5035	
MB 880-9120/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9120/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9120/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1384-1 MS	T-1 (0-1)	Total/NA	Solid	5035	
890-1384-1 MSD	T-1 (0-1)	Total/NA	Solid	5035	

Prep Batch: 9121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-21	T-4 (0-1)	Total/NA	Solid	5035	
890-1384-22	T-4 (1)	Total/NA	Solid	5035	
890-1384-23	T-4 (2)	Total/NA	Solid	5035	
890-1384-24	T-4 (3)	Total/NA	Solid	5035	
890-1384-25	T-4 (4)	Total/NA	Solid	5035	
890-1384-26	T-4 (5)	Total/NA	Solid	5035	

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Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 9121 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-27	T-4 (6)	Total/NA	Solid	5035	
890-1384-28	T-4 (7)	Total/NA	Solid	5035	
890-1384-29	T-4 (8)	Total/NA	Solid	5035	
890-1384-30	T-4 (9)	Total/NA	Solid	5035	
890-1384-31	T-4 (10)	Total/NA	Solid	5035	
890-1384-32	T-4 (11)	Total/NA	Solid	5035	
890-1384-33	T-4 (12)	Total/NA	Solid	5035	
890-1384-34	T-5 (0-1)	Total/NA	Solid	5035	
890-1384-35	T-5 (1)	Total/NA	Solid	5035	
890-1384-36	T-5 (2)	Total/NA	Solid	5035	
890-1384-37	T-5 (3)	Total/NA	Solid	5035	
890-1384-38	T-5 (4)	Total/NA	Solid	5035	
890-1384-39	T-5 (5)	Total/NA	Solid	5035	
890-1384-40	T-5 (6)	Total/NA	Solid	5035	
MB 880-9121/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9121/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9121/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1384-21 MS	T-4 (0-1)	Total/NA	Solid	5035	
890-1384-21 MSD	T-4 (0-1)	Total/NA	Solid	5035	

Prep Batch: 9202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-1384-41	T-5 (7)	Total/NA	Solid	5035	
890-1384-42	T-5 (8)	Total/NA	Solid	5035	
890-1384-43	T-5 (9)	Total/NA	Solid	5035	
890-1384-44	T-5 (10)	Total/NA	Solid	5035	
890-1384-45	T-6 (0-1)	Total/NA	Solid	5035	
890-1384-46	T-6 (1)	Total/NA	Solid	5035	
890-1384-47	T-6 (2)	Total/NA	Solid	5035	
890-1384-48	T-6 (3)	Total/NA	Solid	5035	
890-1384-49	T-6 (4)	Total/NA	Solid	5035	
890-1384-50	T-6 (5)	Total/NA	Solid	5035	
890-1384-51	T-6 (6)	Total/NA	Solid	5035	
890-1384-52	T-6 (7)	Total/NA	Solid	5035	
890-1384-53	T-6 (8)	Total/NA	Solid	5035	
890-1384-54	T-6 (9)	Total/NA	Solid	5035	
890-1384-55	T-6 (10)	Total/NA	Solid	5035	
890-1384-56	T-6 (11)	Total/NA	Solid	5035	
890-1384-57	T-7 (0-1)	Total/NA	Solid	5035	
890-1384-58	T-7 (1)	Total/NA	Solid	5035	
890-1384-59	T-7 (2)	Total/NA	Solid	5035	
890-1384-60	T-7 (3)	Total/NA	Solid	5035	
MB 880-9202/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9202/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9202/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1384-41 MS	T-5 (7)	Total/NA	Solid	5035	
890-1384-41 MSD	T-5 (7)	Total/NA	Solid	5035	

Analysis Batch: 9282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-61	T-7 (4)	Total/NA	Solid	8021B	9107

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10/18/2021

Client: Tetra Tech, Inc.

Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 9282 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8942/5-B	Method Blank	Total/NA	Solid	8021B	8942
MB 880-9107/5-A	Method Blank	Total/NA	Solid	8021B	9107
LCS 880-9107/1-A	Lab Control Sample	Total/NA	Solid	8021B	9107
LCSD 880-9107/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9107
890-1384-61 MS	T-7 (4)	Total/NA	Solid	8021B	9107
890-1384-61 MSD	T-7 (4)	Total/NA	Solid	8021B	9107

Analysis Batch: 9297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-61	T-7 (4)	Total/NA	Solid	Total BTEX	

Prep Batch: 9327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-9327/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 9367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-9367/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 9368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-1384-1	T-1 (0-1)	Total/NA	Solid	8021B	912
890-1384-2	T-1 (1)	Total/NA	Solid	8021B	912
890-1384-3	T-1 (2)	Total/NA	Solid	8021B	912
890-1384-4	T-1 (3)	Total/NA	Solid	8021B	912
890-1384-5	T-1 (4)	Total/NA	Solid	8021B	912
390-1384-6	T-1 (5)	Total/NA	Solid	8021B	912
390-1384-7	T-2 (0-1)	Total/NA	Solid	8021B	912
890-1384-8	T-2 (1)	Total/NA	Solid	8021B	912
390-1384-9	T-2 (2)	Total/NA	Solid	8021B	912
390-1384-10	T-2 (3)	Total/NA	Solid	8021B	912
390-1384-11	T-2 (4)	Total/NA	Solid	8021B	912
390-1384-12	T-3 (0-1)	Total/NA	Solid	8021B	912
390-1384-13	T-3 (1)	Total/NA	Solid	8021B	912
390-1384-14	T-3 (2)	Total/NA	Solid	8021B	912
390-1384-15	T-3 (3)	Total/NA	Solid	8021B	912
390-1384-16	T-3 (4)	Total/NA	Solid	8021B	912
390-1384-17	T-3 (5)	Total/NA	Solid	8021B	912
390-1384-18	T-3 (6)	Total/NA	Solid	8021B	912
390-1384-19	T-3 (7)	Total/NA	Solid	8021B	912
390-1384-20	T-3 (8)	Total/NA	Solid	8021B	912
MB 880-9120/5-A	Method Blank	Total/NA	Solid	8021B	912
MB 880-9327/5-A	Method Blank	Total/NA	Solid	8021B	932
.CS 880-9120/1-A	Lab Control Sample	Total/NA	Solid	8021B	912
_CSD 880-9120/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	912
390-1384-1 MS	T-1 (0-1)	Total/NA	Solid	8021B	912
890-1384-1 MSD	T-1 (0-1)	Total/NA	Solid	8021B	912

Analysis Batch: 9374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-1	T-1 (0-1)	Total/NA	Solid	Total BTEX	

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 9374 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1384-2	T-1 (1)	Total/NA	Solid	Total BTEX	
890-1384-3	T-1 (2)	Total/NA	Solid	Total BTEX	
890-1384-4	T-1 (3)	Total/NA	Solid	Total BTEX	
890-1384-5	T-1 (4)	Total/NA	Solid	Total BTEX	
890-1384-6	T-1 (5)	Total/NA	Solid	Total BTEX	
890-1384-7	T-2 (0-1)	Total/NA	Solid	Total BTEX	
890-1384-8	T-2 (1)	Total/NA	Solid	Total BTEX	
890-1384-9	T-2 (2)	Total/NA	Solid	Total BTEX	
890-1384-10	T-2 (3)	Total/NA	Solid	Total BTEX	
890-1384-11	T-2 (4)	Total/NA	Solid	Total BTEX	
890-1384-12	T-3 (0-1)	Total/NA	Solid	Total BTEX	
890-1384-13	T-3 (1)	Total/NA	Solid	Total BTEX	
890-1384-14	T-3 (2)	Total/NA	Solid	Total BTEX	
890-1384-15	T-3 (3)	Total/NA	Solid	Total BTEX	
890-1384-16	T-3 (4)	Total/NA	Solid	Total BTEX	
890-1384-17	T-3 (5)	Total/NA	Solid	Total BTEX	
890-1384-18	T-3 (6)	Total/NA	Solid	Total BTEX	
890-1384-19	T-3 (7)	Total/NA	Solid	Total BTEX	
890-1384-20	T-3 (8)	Total/NA	Solid	Total BTEX	

Analysis Batch: 9391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1384-21	T-4 (0-1)	Total/NA	Solid	8021B	912
890-1384-22	T-4 (1)	Total/NA	Solid	8021B	912
890-1384-23	T-4 (2)	Total/NA	Solid	8021B	912
890-1384-24	T-4 (3)	Total/NA	Solid	8021B	912
890-1384-25	T-4 (4)	Total/NA	Solid	8021B	912
890-1384-26	T-4 (5)	Total/NA	Solid	8021B	912
890-1384-27	T-4 (6)	Total/NA	Solid	8021B	912
890-1384-28	T-4 (7)	Total/NA	Solid	8021B	912
890-1384-29	T-4 (8)	Total/NA	Solid	8021B	912
890-1384-30	T-4 (9)	Total/NA	Solid	8021B	912
890-1384-31	T-4 (10)	Total/NA	Solid	8021B	912
890-1384-32	T-4 (11)	Total/NA	Solid	8021B	912
890-1384-33	T-4 (12)	Total/NA	Solid	8021B	912
890-1384-34	T-5 (0-1)	Total/NA	Solid	8021B	912
890-1384-35	T-5 (1)	Total/NA	Solid	8021B	912
890-1384-36	T-5 (2)	Total/NA	Solid	8021B	912
890-1384-37	T-5 (3)	Total/NA	Solid	8021B	912
890-1384-38	T-5 (4)	Total/NA	Solid	8021B	912
890-1384-39	T-5 (5)	Total/NA	Solid	8021B	912
890-1384-40	T-5 (6)	Total/NA	Solid	8021B	912
MB 880-9121/5-A	Method Blank	Total/NA	Solid	8021B	912
MB 880-9367/5-A	Method Blank	Total/NA	Solid	8021B	936
LCS 880-9121/1-A	Lab Control Sample	Total/NA	Solid	8021B	912
LCSD 880-9121/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	912
890-1384-21 MS	T-4 (0-1)	Total/NA	Solid	8021B	912
890-1384-21 MSD	T-4 (0-1)	Total/NA	Solid	8021B	912

Client: Tetra Tech, Inc.
Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

GC VOA

Analysis Batch: 9398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1384-21	T-4 (0-1)	Total/NA	Solid	Total BTEX	
890-1384-22	T-4 (1)	Total/NA	Solid	Total BTEX	
890-1384-23	T-4 (2)	Total/NA	Solid	Total BTEX	
890-1384-24	T-4 (3)	Total/NA	Solid	Total BTEX	
890-1384-25	T-4 (4)	Total/NA	Solid	Total BTEX	
890-1384-26	T-4 (5)	Total/NA	Solid	Total BTEX	
890-1384-27	T-4 (6)	Total/NA	Solid	Total BTEX	
890-1384-28	T-4 (7)	Total/NA	Solid	Total BTEX	
890-1384-29	T-4 (8)	Total/NA	Solid	Total BTEX	
890-1384-30	T-4 (9)	Total/NA	Solid	Total BTEX	
890-1384-31	T-4 (10)	Total/NA	Solid	Total BTEX	
890-1384-32	T-4 (11)	Total/NA	Solid	Total BTEX	
890-1384-33	T-4 (12)	Total/NA	Solid	Total BTEX	
890-1384-34	T-5 (0-1)	Total/NA	Solid	Total BTEX	
890-1384-35	T-5 (1)	Total/NA	Solid	Total BTEX	
890-1384-36	T-5 (2)	Total/NA	Solid	Total BTEX	
890-1384-37	T-5 (3)	Total/NA	Solid	Total BTEX	
890-1384-38	T-5 (4)	Total/NA	Solid	Total BTEX	
890-1384-39	T-5 (5)	Total/NA	Solid	Total BTEX	
890-1384-40	T-5 (6)	Total/NA	Solid	Total BTEX	

Analysis Batch: 9431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-41	T-5 (7)	Total/NA	Solid	8021B	9202
890-1384-42	T-5 (8)	Total/NA	Solid	8021B	9202
890-1384-43	T-5 (9)	Total/NA	Solid	8021B	9202
890-1384-44	T-5 (10)	Total/NA	Solid	8021B	9202
890-1384-45	T-6 (0-1)	Total/NA	Solid	8021B	9202
890-1384-46	T-6 (1)	Total/NA	Solid	8021B	9202
890-1384-47	T-6 (2)	Total/NA	Solid	8021B	9202
890-1384-48	T-6 (3)	Total/NA	Solid	8021B	9202
890-1384-49	T-6 (4)	Total/NA	Solid	8021B	9202
890-1384-50	T-6 (5)	Total/NA	Solid	8021B	9202
890-1384-51	T-6 (6)	Total/NA	Solid	8021B	9202
890-1384-52	T-6 (7)	Total/NA	Solid	8021B	9202
890-1384-53	T-6 (8)	Total/NA	Solid	8021B	9202
890-1384-54	T-6 (9)	Total/NA	Solid	8021B	9202
890-1384-55	T-6 (10)	Total/NA	Solid	8021B	9202
890-1384-56	T-6 (11)	Total/NA	Solid	8021B	9202
890-1384-57	T-7 (0-1)	Total/NA	Solid	8021B	9202
890-1384-58	T-7 (1)	Total/NA	Solid	8021B	9202
890-1384-59	T-7 (2)	Total/NA	Solid	8021B	9202
890-1384-60	T-7 (3)	Total/NA	Solid	8021B	9202
MB 880-9119/5-A	Method Blank	Total/NA	Solid	8021B	9119
MB 880-9202/5-A	Method Blank	Total/NA	Solid	8021B	9202
LCS 880-9202/1-A	Lab Control Sample	Total/NA	Solid	8021B	9202
LCSD 880-9202/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9202
890-1384-41 MS	T-5 (7)	Total/NA	Solid	8021B	9202
890-1384-41 MSD	T-5 (7)	Total/NA	Solid	8021B	9202

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Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

GC VOA

Analysis Batch: 9454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1384-41	T-5 (7)	Total/NA	Solid	Total BTEX	
890-1384-42	T-5 (8)	Total/NA	Solid	Total BTEX	
890-1384-43	T-5 (9)	Total/NA	Solid	Total BTEX	
890-1384-44	T-5 (10)	Total/NA	Solid	Total BTEX	
890-1384-45	T-6 (0-1)	Total/NA	Solid	Total BTEX	
890-1384-46	T-6 (1)	Total/NA	Solid	Total BTEX	
890-1384-47	T-6 (2)	Total/NA	Solid	Total BTEX	
890-1384-48	T-6 (3)	Total/NA	Solid	Total BTEX	
890-1384-49	T-6 (4)	Total/NA	Solid	Total BTEX	
890-1384-50	T-6 (5)	Total/NA	Solid	Total BTEX	
890-1384-51	T-6 (6)	Total/NA	Solid	Total BTEX	
890-1384-52	T-6 (7)	Total/NA	Solid	Total BTEX	
890-1384-53	T-6 (8)	Total/NA	Solid	Total BTEX	
890-1384-54	T-6 (9)	Total/NA	Solid	Total BTEX	
890-1384-55	T-6 (10)	Total/NA	Solid	Total BTEX	
890-1384-56	T-6 (11)	Total/NA	Solid	Total BTEX	
890-1384-57	T-7 (0-1)	Total/NA	Solid	Total BTEX	
890-1384-58	T-7 (1)	Total/NA	Solid	Total BTEX	
890-1384-59	T-7 (2)	Total/NA	Solid	Total BTEX	
890-1384-60	T-7 (3)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 9176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-41	T-5 (7)	Total/NA	Solid	8015B NM	9215
890-1384-42	T-5 (8)	Total/NA	Solid	8015B NM	9215
890-1384-43	T-5 (9)	Total/NA	Solid	8015B NM	9215
890-1384-44	T-5 (10)	Total/NA	Solid	8015B NM	9215
890-1384-45	T-6 (0-1)	Total/NA	Solid	8015B NM	9215
890-1384-46	T-6 (1)	Total/NA	Solid	8015B NM	9215
890-1384-47	T-6 (2)	Total/NA	Solid	8015B NM	9215
890-1384-48	T-6 (3)	Total/NA	Solid	8015B NM	9215
890-1384-49	T-6 (4)	Total/NA	Solid	8015B NM	9215
890-1384-50	T-6 (5)	Total/NA	Solid	8015B NM	9215
890-1384-51	T-6 (6)	Total/NA	Solid	8015B NM	9215
890-1384-52	T-6 (7)	Total/NA	Solid	8015B NM	9215
890-1384-53	T-6 (8)	Total/NA	Solid	8015B NM	9215
890-1384-54	T-6 (9)	Total/NA	Solid	8015B NM	9215
890-1384-55	T-6 (10)	Total/NA	Solid	8015B NM	9215
890-1384-56	T-6 (11)	Total/NA	Solid	8015B NM	9215
890-1384-57	T-7 (0-1)	Total/NA	Solid	8015B NM	9215
890-1384-58	T-7 (1)	Total/NA	Solid	8015B NM	9215
890-1384-59	T-7 (2)	Total/NA	Solid	8015B NM	9215
890-1384-60	T-7 (3)	Total/NA	Solid	8015B NM	9215
890-1384-61	T-7 (4)	Total/NA	Solid	8015B NM	9249
MB 880-9215/1-A	Method Blank	Total/NA	Solid	8015B NM	9215
MB 880-9249/1-A	Method Blank	Total/NA	Solid	8015B NM	9249
LCS 880-9215/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9215
LCS 880-9249/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9249
LCSD 880-9215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9215

Client: Tetra Tech, Inc.
Project/Site: Caballo Section 23 TB
SDG

Job ID: 890-1384-1 SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 9176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-9249/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9249
890-1384-41 MS	T-5 (7)	Total/NA	Solid	8015B NM	9215
890-1384-41 MSD	T-5 (7)	Total/NA	Solid	8015B NM	9215
890-1384-61 MS	T-7 (4)	Total/NA	Solid	8015B NM	9249
890-1384-61 MSD	T-7 (4)	Total/NA	Solid	8015B NM	9249

Analysis Batch: 9180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-1	T-1 (0-1)	Total/NA	Solid	8015B NM	9190
890-1384-2	T-1 (1)	Total/NA	Solid	8015B NM	9190
890-1384-3	T-1 (2)	Total/NA	Solid	8015B NM	9190
890-1384-4	T-1 (3)	Total/NA	Solid	8015B NM	9190
890-1384-5	T-1 (4)	Total/NA	Solid	8015B NM	9190
890-1384-6	T-1 (5)	Total/NA	Solid	8015B NM	9190
890-1384-7	T-2 (0-1)	Total/NA	Solid	8015B NM	9190
890-1384-8	T-2 (1)	Total/NA	Solid	8015B NM	9190
890-1384-9	T-2 (2)	Total/NA	Solid	8015B NM	9190
890-1384-10	T-2 (3)	Total/NA	Solid	8015B NM	9190
890-1384-11	T-2 (4)	Total/NA	Solid	8015B NM	9190
890-1384-12	T-3 (0-1)	Total/NA	Solid	8015B NM	9190
890-1384-13	T-3 (1)	Total/NA	Solid	8015B NM	9190
890-1384-14	T-3 (2)	Total/NA	Solid	8015B NM	9190
890-1384-15	T-3 (3)	Total/NA	Solid	8015B NM	9190
890-1384-16	T-3 (4)	Total/NA	Solid	8015B NM	9190
890-1384-17	T-3 (5)	Total/NA	Solid	8015B NM	9190
890-1384-18	T-3 (6)	Total/NA	Solid	8015B NM	9190
890-1384-19	T-3 (7)	Total/NA	Solid	8015B NM	9190
890-1384-20	T-3 (8)	Total/NA	Solid	8015B NM	9190
MB 880-9190/1-A	Method Blank	Total/NA	Solid	8015B NM	9190
LCS 880-9190/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9190
LCSD 880-9190/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9190
890-1384-1 MS	T-1 (0-1)	Total/NA	Solid	8015B NM	9190
890-1384-1 MSD	T-1 (0-1)	Total/NA	Solid	8015B NM	9190

Analysis Batch: 9185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1384-21	T-4 (0-1)	Total/NA	Solid	8015B NM	919
890-1384-22	T-4 (1)	Total/NA	Solid	8015B NM	919
890-1384-23	T-4 (2)	Total/NA	Solid	8015B NM	919 ⁻
890-1384-24	T-4 (3)	Total/NA	Solid	8015B NM	919
890-1384-25	T-4 (4)	Total/NA	Solid	8015B NM	919 ⁻
890-1384-26	T-4 (5)	Total/NA	Solid	8015B NM	919 ⁻
890-1384-27	T-4 (6)	Total/NA	Solid	8015B NM	919
890-1384-28	T-4 (7)	Total/NA	Solid	8015B NM	919 ⁻
890-1384-29	T-4 (8)	Total/NA	Solid	8015B NM	919
890-1384-30	T-4 (9)	Total/NA	Solid	8015B NM	919
890-1384-31	T-4 (10)	Total/NA	Solid	8015B NM	919 ⁻
890-1384-32	T-4 (11)	Total/NA	Solid	8015B NM	919
890-1384-33	T-4 (12)	Total/NA	Solid	8015B NM	919
890-1384-34	T-5 (0-1)	Total/NA	Solid	8015B NM	919
890-1384-35	T-5 (1)	Total/NA	Solid	8015B NM	919 ⁻

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Client: Tetra Tech, Inc.
Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 9185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-36	T-5 (2)	Total/NA	Solid	8015B NM	9191
890-1384-37	T-5 (3)	Total/NA	Solid	8015B NM	9191
890-1384-38	T-5 (4)	Total/NA	Solid	8015B NM	9191
890-1384-39	T-5 (5)	Total/NA	Solid	8015B NM	9191
890-1384-40	T-5 (6)	Total/NA	Solid	8015B NM	9191
MB 880-9191/1-A	Method Blank	Total/NA	Solid	8015B NM	9191
LCS 880-9191/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9191
LCSD 880-9191/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9191
890-1384-21 MS	T-4 (0-1)	Total/NA	Solid	8015B NM	9191
890-1384-21 MSD	T-4 (0-1)	Total/NA	Solid	8015B NM	9191

Prep Batch: 9190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-1	T-1 (0-1)	Total/NA	Solid	8015NM Prep	
890-1384-2	T-1 (1)	Total/NA	Solid	8015NM Prep	
890-1384-3	T-1 (2)	Total/NA	Solid	8015NM Prep	
890-1384-4	T-1 (3)	Total/NA	Solid	8015NM Prep	
890-1384-5	T-1 (4)	Total/NA	Solid	8015NM Prep	
890-1384-6	T-1 (5)	Total/NA	Solid	8015NM Prep	
890-1384-7	T-2 (0-1)	Total/NA	Solid	8015NM Prep	
890-1384-8	T-2 (1)	Total/NA	Solid	8015NM Prep	
890-1384-9	T-2 (2)	Total/NA	Solid	8015NM Prep	
890-1384-10	T-2 (3)	Total/NA	Solid	8015NM Prep	
890-1384-11	T-2 (4)	Total/NA	Solid	8015NM Prep	
890-1384-12	T-3 (0-1)	Total/NA	Solid	8015NM Prep	
890-1384-13	T-3 (1)	Total/NA	Solid	8015NM Prep	
890-1384-14	T-3 (2)	Total/NA	Solid	8015NM Prep	
890-1384-15	T-3 (3)	Total/NA	Solid	8015NM Prep	
890-1384-16	T-3 (4)	Total/NA	Solid	8015NM Prep	
890-1384-17	T-3 (5)	Total/NA	Solid	8015NM Prep	
890-1384-18	T-3 (6)	Total/NA	Solid	8015NM Prep	
890-1384-19	T-3 (7)	Total/NA	Solid	8015NM Prep	
890-1384-20	T-3 (8)	Total/NA	Solid	8015NM Prep	
MB 880-9190/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9190/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9190/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1384-1 MS	T-1 (0-1)	Total/NA	Solid	8015NM Prep	
890-1384-1 MSD	T-1 (0-1)	Total/NA	Solid	8015NM Prep	

Prep Batch: 9191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-21	T-4 (0-1)	Total/NA	Solid	8015NM Prep	
890-1384-22	T-4 (1)	Total/NA	Solid	8015NM Prep	
890-1384-23	T-4 (2)	Total/NA	Solid	8015NM Prep	
890-1384-24	T-4 (3)	Total/NA	Solid	8015NM Prep	
890-1384-25	T-4 (4)	Total/NA	Solid	8015NM Prep	
890-1384-26	T-4 (5)	Total/NA	Solid	8015NM Prep	
890-1384-27	T-4 (6)	Total/NA	Solid	8015NM Prep	
890-1384-28	T-4 (7)	Total/NA	Solid	8015NM Prep	
890-1384-29	T-4 (8)	Total/NA	Solid	8015NM Prep	
890-1384-30	T-4 (9)	Total/NA	Solid	8015NM Prep	

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Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 9191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-31	T-4 (10)	Total/NA	Solid	8015NM Prep	
890-1384-32	T-4 (11)	Total/NA	Solid	8015NM Prep	
890-1384-33	T-4 (12)	Total/NA	Solid	8015NM Prep	
890-1384-34	T-5 (0-1)	Total/NA	Solid	8015NM Prep	
890-1384-35	T-5 (1)	Total/NA	Solid	8015NM Prep	
890-1384-36	T-5 (2)	Total/NA	Solid	8015NM Prep	
890-1384-37	T-5 (3)	Total/NA	Solid	8015NM Prep	
890-1384-38	T-5 (4)	Total/NA	Solid	8015NM Prep	
890-1384-39	T-5 (5)	Total/NA	Solid	8015NM Prep	
890-1384-40	T-5 (6)	Total/NA	Solid	8015NM Prep	
MB 880-9191/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9191/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9191/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1384-21 MS	T-4 (0-1)	Total/NA	Solid	8015NM Prep	
890-1384-21 MSD	T-4 (0-1)	Total/NA	Solid	8015NM Prep	

Prep Batch: 9215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-1384-41	T-5 (7)	Total/NA	Solid	8015NM Prep	
890-1384-42	T-5 (8)	Total/NA	Solid	8015NM Prep	
890-1384-43	T-5 (9)	Total/NA	Solid	8015NM Prep	
890-1384-44	T-5 (10)	Total/NA	Solid	8015NM Prep	
890-1384-45	T-6 (0-1)	Total/NA	Solid	8015NM Prep	
890-1384-46	T-6 (1)	Total/NA	Solid	8015NM Prep	
890-1384-47	T-6 (2)	Total/NA	Solid	8015NM Prep	
890-1384-48	T-6 (3)	Total/NA	Solid	8015NM Prep	
890-1384-49	T-6 (4)	Total/NA	Solid	8015NM Prep	
890-1384-50	T-6 (5)	Total/NA	Solid	8015NM Prep	
890-1384-51	T-6 (6)	Total/NA	Solid	8015NM Prep	
890-1384-52	T-6 (7)	Total/NA	Solid	8015NM Prep	
890-1384-53	T-6 (8)	Total/NA	Solid	8015NM Prep	
890-1384-54	T-6 (9)	Total/NA	Solid	8015NM Prep	
890-1384-55	T-6 (10)	Total/NA	Solid	8015NM Prep	
890-1384-56	T-6 (11)	Total/NA	Solid	8015NM Prep	
890-1384-57	T-7 (0-1)	Total/NA	Solid	8015NM Prep	
890-1384-58	T-7 (1)	Total/NA	Solid	8015NM Prep	
890-1384-59	T-7 (2)	Total/NA	Solid	8015NM Prep	
890-1384-60	T-7 (3)	Total/NA	Solid	8015NM Prep	
MB 880-9215/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9215/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1384-41 MS	T-5 (7)	Total/NA	Solid	8015NM Prep	
890-1384-41 MSD	T-5 (7)	Total/NA	Solid	8015NM Prep	

Prep Batch: 9249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-61	T-7 (4)	Total/NA	Solid	8015NM Prep	
MB 880-9249/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9249/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9249/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1384-61 MS	T-7 (4)	Total/NA	Solid	8015NM Prep	

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Client: Tetra Tech, Inc.

Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 9249 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-61 MSD	T-7 (4)	Total/NA	Solid	8015NM Prep	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
890-1384-1	T-1 (0-1)	Total/NA	Solid	8015 NM	
890-1384-2	T-1 (1)	Total/NA	Solid	8015 NM	
890-1384-3	T-1 (2)	Total/NA	Solid	8015 NM	
890-1384-4	T-1 (3)	Total/NA	Solid	8015 NM	
890-1384-5	T-1 (4)	Total/NA	Solid	8015 NM	
890-1384-6	T-1 (5)	Total/NA	Solid	8015 NM	
890-1384-7	T-2 (0-1)	Total/NA	Solid	8015 NM	
890-1384-8	T-2 (1)	Total/NA	Solid	8015 NM	
890-1384-9	T-2 (2)	Total/NA	Solid	8015 NM	
890-1384-10	T-2 (3)	Total/NA	Solid	8015 NM	
890-1384-11	T-2 (4)	Total/NA	Solid	8015 NM	
890-1384-12	T-3 (0-1)	Total/NA	Solid	8015 NM	
890-1384-13	T-3 (1)	Total/NA	Solid	8015 NM	
890-1384-14	T-3 (2)	Total/NA	Solid	8015 NM	
890-1384-15	T-3 (3)	Total/NA	Solid	8015 NM	
890-1384-16	T-3 (4)	Total/NA	Solid	8015 NM	
890-1384-17	T-3 (5)	Total/NA	Solid	8015 NM	
890-1384-18	T-3 (6)	Total/NA	Solid	8015 NM	
890-1384-19	T-3 (7)	Total/NA	Solid	8015 NM	
890-1384-20	T-3 (8)	Total/NA	Solid	8015 NM	
890-1384-21	T-4 (0-1)	Total/NA	Solid	8015 NM	
890-1384-22	T-4 (1)	Total/NA	Solid	8015 NM	
890-1384-23	T-4 (2)	Total/NA	Solid	8015 NM	
890-1384-24	T-4 (3)	Total/NA	Solid	8015 NM	
890-1384-25	T-4 (4)	Total/NA	Solid	8015 NM	
890-1384-26	T-4 (5)	Total/NA	Solid	8015 NM	
890-1384-27	T-4 (6)	Total/NA	Solid	8015 NM	
890-1384-28	T-4 (7)	Total/NA	Solid	8015 NM	
890-1384-29	T-4 (8)	Total/NA	Solid	8015 NM	
890-1384-30	T-4 (9)	Total/NA	Solid	8015 NM	
390-1304-30	T-4 (10)	Total/NA	Solid	8015 NM	
390-1384-32	T-4 (11)	Total/NA	Solid	8015 NM	
890-1384-33	T-4 (11)	Total/NA	Solid	8015 NM	
890-1384-34		Total/NA	Solid	8015 NM	
	T-5 (0-1)	Total/NA	Solid	8015 NM	
890-1384-35	T-5 (1)	Total/NA			
890-1384-36	T-5 (2)		Solid	8015 NM	
890-1384-37	T-5 (3)	Total/NA	Solid	8015 NM	
890-1384-38	T-5 (4)	Total/NA	Solid	8015 NM	
890-1384-39	T-5 (5)	Total/NA	Solid	8015 NM	
890-1384-40	T-5 (6)	Total/NA	Solid	8015 NM	
890-1384-41	T-5 (7)	Total/NA	Solid	8015 NM	
890-1384-42	T-5 (8)	Total/NA	Solid	8015 NM	
890-1384-43	T-5 (9)	Total/NA	Solid	8015 NM	
890-1384-44	T-5 (10)	Total/NA	Solid	8015 NM	
890-1384-45	T-6 (0-1)	Total/NA	Solid	8015 NM	
890-1384-46	T-6 (1)	Total/NA	Solid	8015 NM	
890-1384-47	T-6 (2)	Total/NA	Solid	8015 NM	

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 9387 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-48	T-6 (3)	Total/NA	Solid	8015 NM	
890-1384-49	T-6 (4)	Total/NA	Solid	8015 NM	
890-1384-50	T-6 (5)	Total/NA	Solid	8015 NM	
890-1384-51	T-6 (6)	Total/NA	Solid	8015 NM	
890-1384-52	T-6 (7)	Total/NA	Solid	8015 NM	
890-1384-53	T-6 (8)	Total/NA	Solid	8015 NM	
890-1384-54	T-6 (9)	Total/NA	Solid	8015 NM	
890-1384-55	T-6 (10)	Total/NA	Solid	8015 NM	
890-1384-56	T-6 (11)	Total/NA	Solid	8015 NM	
890-1384-57	T-7 (0-1)	Total/NA	Solid	8015 NM	
890-1384-58	T-7 (1)	Total/NA	Solid	8015 NM	
890-1384-59	T-7 (2)	Total/NA	Solid	8015 NM	
890-1384-60	T-7 (3)	Total/NA	Solid	8015 NM	
890-1384-61	T-7 (4)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 9211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-1	T-1 (0-1)	Soluble	Solid	DI Leach	
890-1384-2	T-1 (1)	Soluble	Solid	DI Leach	
890-1384-3	T-1 (2)	Soluble	Solid	DI Leach	
890-1384-4	T-1 (3)	Soluble	Solid	DI Leach	
890-1384-5	T-1 (4)	Soluble	Solid	DI Leach	
890-1384-6	T-1 (5)	Soluble	Solid	DI Leach	
890-1384-7	T-2 (0-1)	Soluble	Solid	DI Leach	
MB 880-9211/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9211/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9211/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7011-A-24-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-7011-A-24-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 9212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-1384-8	T-2 (1)	Soluble	Solid	DI Leach	
890-1384-9	T-2 (2)	Soluble	Solid	DI Leach	
890-1384-10	T-2 (3)	Soluble	Solid	DI Leach	
890-1384-11	T-2 (4)	Soluble	Solid	DI Leach	
890-1384-12 - DL	T-3 (0-1)	Soluble	Solid	DI Leach	
890-1384-13	T-3 (1)	Soluble	Solid	DI Leach	
890-1384-14	T-3 (2)	Soluble	Solid	DI Leach	
890-1384-15	T-3 (3)	Soluble	Solid	DI Leach	
890-1384-16	T-3 (4)	Soluble	Solid	DI Leach	
890-1384-17	T-3 (5)	Soluble	Solid	DI Leach	
890-1384-18	T-3 (6)	Soluble	Solid	DI Leach	
890-1384-19	T-3 (7)	Soluble	Solid	DI Leach	
890-1384-20	T-3 (8)	Soluble	Solid	DI Leach	
890-1384-21	T-4 (0-1)	Soluble	Solid	DI Leach	
890-1384-22	T-4 (1)	Soluble	Solid	DI Leach	
890-1384-23	T-4 (2)	Soluble	Solid	DI Leach	
890-1384-24	T-4 (3)	Soluble	Solid	DI Leach	

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 9212 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-25	T-4 (4)	Soluble	Solid	DI Leach	
890-1384-26	T-4 (5)	Soluble	Solid	DI Leach	
890-1384-27	T-4 (6)	Soluble	Solid	DI Leach	
MB 880-9212/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9212/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9212/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1384-8 MS	T-2 (1)	Soluble	Solid	DI Leach	
890-1384-8 MSD	T-2 (1)	Soluble	Solid	DI Leach	
890-1384-18 MS	T-3 (6)	Soluble	Solid	DI Leach	
890-1384-18 MSD	T-3 (6)	Soluble	Solid	DI Leach	

Leach Batch: 9213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-1384-28	T-4 (7)	Soluble	Solid	DI Leach	
890-1384-29	T-4 (8)	Soluble	Solid	DI Leach	
890-1384-30	T-4 (9)	Soluble	Solid	DI Leach	
890-1384-31	T-4 (10)	Soluble	Solid	DI Leach	
890-1384-32	T-4 (11)	Soluble	Solid	DI Leach	
890-1384-33	T-4 (12)	Soluble	Solid	DI Leach	
890-1384-34	T-5 (0-1)	Soluble	Solid	DI Leach	
890-1384-35	T-5 (1)	Soluble	Solid	DI Leach	
890-1384-36	T-5 (2)	Soluble	Solid	DI Leach	
890-1384-37	T-5 (3)	Soluble	Solid	DI Leach	
890-1384-38	T-5 (4)	Soluble	Solid	DI Leach	
890-1384-39	T-5 (5)	Soluble	Solid	DI Leach	
MB 880-9213/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9213/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9213/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1384-30 MS	T-4 (9)	Soluble	Solid	DI Leach	
890-1384-30 MSD	T-4 (9)	Soluble	Solid	DI Leach	

Leach Batch: 9214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-1384-40	T-5 (6)	Soluble	Solid	DI Leach	
890-1384-41	T-5 (7)	Soluble	Solid	DI Leach	
890-1384-42	T-5 (8)	Soluble	Solid	DI Leach	
890-1384-43	T-5 (9)	Soluble	Solid	DI Leach	
890-1384-44	T-5 (10)	Soluble	Solid	DI Leach	
390-1384-45	T-6 (0-1)	Soluble	Solid	DI Leach	
890-1384-46	T-6 (1)	Soluble	Solid	DI Leach	
390-1384-47	T-6 (2)	Soluble	Solid	DI Leach	
890-1384-48	T-6 (3)	Soluble	Solid	DI Leach	
890-1384-49	T-6 (4)	Soluble	Solid	DI Leach	
890-1384-50	T-6 (5)	Soluble	Solid	DI Leach	
390-1384-51	T-6 (6)	Soluble	Solid	DI Leach	
390-1384-52	T-6 (7)	Soluble	Solid	DI Leach	
390-1384-53	T-6 (8)	Soluble	Solid	DI Leach	
390-1384-54	T-6 (9)	Soluble	Solid	DI Leach	
390-1384-55	T-6 (10)	Soluble	Solid	DI Leach	
390-1384-56	T-6 (11)	Soluble	Solid	DI Leach	
390-1384-57	T-7 (0-1)	Soluble	Solid	DI Leach	

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 9214 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-58	T-7 (1)	Soluble	Solid	DI Leach	
890-1384-59	T-7 (2)	Soluble	Solid	DI Leach	
MB 880-9214/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9214/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9214/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1384-40 MS	T-5 (6)	Soluble	Solid	DI Leach	
890-1384-40 MSD	T-5 (6)	Soluble	Solid	DI Leach	
890-1384-50 MS	T-6 (5)	Soluble	Solid	DI Leach	
890-1384-50 MSD	T-6 (5)	Soluble	Solid	DI Leach	

Leach Batch: 9290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-60	T-7 (3)	Soluble	Solid	DI Leach	_
890-1384-61	T-7 (4)	Soluble	Solid	DI Leach	
MB 880-9290/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9290/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9290/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7007-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-7007-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 9317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-1	T-1 (0-1)	Soluble	Solid	300.0	9211
890-1384-2	T-1 (1)	Soluble	Solid	300.0	9211
890-1384-3	T-1 (2)	Soluble	Solid	300.0	9211
890-1384-4	T-1 (3)	Soluble	Solid	300.0	9211
890-1384-5	T-1 (4)	Soluble	Solid	300.0	9211
890-1384-6	T-1 (5)	Soluble	Solid	300.0	9211
890-1384-7	T-2 (0-1)	Soluble	Solid	300.0	9211
MB 880-9211/1-A	Method Blank	Soluble	Solid	300.0	9211
LCS 880-9211/2-A	Lab Control Sample	Soluble	Solid	300.0	9211
LCSD 880-9211/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9211
880-7011-A-24-E MS	Matrix Spike	Soluble	Solid	300.0	9211
880-7011-A-24-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9211

Analysis Batch: 9318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-8	T-2 (1)	Soluble	Solid	300.0	9212
890-1384-9	T-2 (2)	Soluble	Solid	300.0	9212
890-1384-10	T-2 (3)	Soluble	Solid	300.0	9212
890-1384-11	T-2 (4)	Soluble	Solid	300.0	9212
890-1384-12 - DL	T-3 (0-1)	Soluble	Solid	300.0	9212
890-1384-13	T-3 (1)	Soluble	Solid	300.0	9212
890-1384-14	T-3 (2)	Soluble	Solid	300.0	9212
890-1384-15	T-3 (3)	Soluble	Solid	300.0	9212
890-1384-16	T-3 (4)	Soluble	Solid	300.0	9212
890-1384-17	T-3 (5)	Soluble	Solid	300.0	9212
890-1384-18	T-3 (6)	Soluble	Solid	300.0	9212
890-1384-19	T-3 (7)	Soluble	Solid	300.0	9212
890-1384-20	T-3 (8)	Soluble	Solid	300.0	9212
890-1384-21	T-4 (0-1)	Soluble	Solid	300.0	9212

Client: Tetra Tech, Inc.

Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 9318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-22	T-4 (1)	Soluble	Solid	300.0	9212
890-1384-23	T-4 (2)	Soluble	Solid	300.0	9212
890-1384-24	T-4 (3)	Soluble	Solid	300.0	9212
890-1384-25	T-4 (4)	Soluble	Solid	300.0	9212
890-1384-26	T-4 (5)	Soluble	Solid	300.0	9212
890-1384-27	T-4 (6)	Soluble	Solid	300.0	9212
MB 880-9212/1-A	Method Blank	Soluble	Solid	300.0	9212
LCS 880-9212/2-A	Lab Control Sample	Soluble	Solid	300.0	9212
LCSD 880-9212/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9212
890-1384-8 MS	T-2 (1)	Soluble	Solid	300.0	9212
890-1384-8 MSD	T-2 (1)	Soluble	Solid	300.0	9212
890-1384-18 MS	T-3 (6)	Soluble	Solid	300.0	9212
890-1384-18 MSD	T-3 (6)	Soluble	Solid	300.0	9212

Analysis Batch: 9319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-28	T-4 (7)	Soluble	Solid	300.0	9213
890-1384-29	T-4 (8)	Soluble	Solid	300.0	9213
890-1384-30	T-4 (9)	Soluble	Solid	300.0	9213
890-1384-31	T-4 (10)	Soluble	Solid	300.0	9213
890-1384-32	T-4 (11)	Soluble	Solid	300.0	9213
890-1384-33	T-4 (12)	Soluble	Solid	300.0	9213
890-1384-34	T-5 (0-1)	Soluble	Solid	300.0	9213
890-1384-35	T-5 (1)	Soluble	Solid	300.0	9213
890-1384-36	T-5 (2)	Soluble	Solid	300.0	9213
890-1384-37	T-5 (3)	Soluble	Solid	300.0	9213
890-1384-38	T-5 (4)	Soluble	Solid	300.0	9213
890-1384-39	T-5 (5)	Soluble	Solid	300.0	9213
MB 880-9213/1-A	Method Blank	Soluble	Solid	300.0	9213
LCS 880-9213/2-A	Lab Control Sample	Soluble	Solid	300.0	9213
LCSD 880-9213/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9213
890-1384-30 MS	T-4 (9)	Soluble	Solid	300.0	9213
890-1384-30 MSD	T-4 (9)	Soluble	Solid	300.0	9213

Analysis Batch: 9320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-40	T-5 (6)	Soluble	Solid	300.0	9214
890-1384-41	T-5 (7)	Soluble	Solid	300.0	9214
890-1384-42	T-5 (8)	Soluble	Solid	300.0	9214
890-1384-43	T-5 (9)	Soluble	Solid	300.0	9214
890-1384-44	T-5 (10)	Soluble	Solid	300.0	9214
890-1384-45	T-6 (0-1)	Soluble	Solid	300.0	9214
890-1384-46	T-6 (1)	Soluble	Solid	300.0	9214
890-1384-47	T-6 (2)	Soluble	Solid	300.0	9214
890-1384-48	T-6 (3)	Soluble	Solid	300.0	9214
890-1384-49	T-6 (4)	Soluble	Solid	300.0	9214
890-1384-50	T-6 (5)	Soluble	Solid	300.0	9214
890-1384-51	T-6 (6)	Soluble	Solid	300.0	9214
890-1384-52	T-6 (7)	Soluble	Solid	300.0	9214
890-1384-53	T-6 (8)	Soluble	Solid	300.0	9214
890-1384-54	T-6 (9)	Soluble	Solid	300.0	9214

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QC Association Summary

Client: Tetra Tech, Inc. Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 9320 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-55	T-6 (10)	Soluble	Solid	300.0	9214
890-1384-56	T-6 (11)	Soluble	Solid	300.0	9214
890-1384-57	T-7 (0-1)	Soluble	Solid	300.0	9214
890-1384-58	T-7 (1)	Soluble	Solid	300.0	9214
890-1384-59	T-7 (2)	Soluble	Solid	300.0	9214
MB 880-9214/1-A	Method Blank	Soluble	Solid	300.0	9214
LCS 880-9214/2-A	Lab Control Sample	Soluble	Solid	300.0	9214
LCSD 880-9214/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9214
890-1384-40 MS	T-5 (6)	Soluble	Solid	300.0	9214
890-1384-40 MSD	T-5 (6)	Soluble	Solid	300.0	9214
890-1384-50 MS	T-6 (5)	Soluble	Solid	300.0	9214
890-1384-50 MSD	T-6 (5)	Soluble	Solid	300.0	9214

Analysis Batch: 9456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1384-60	T-7 (3)	Soluble	Solid	300.0	9290
890-1384-61	T-7 (4)	Soluble	Solid	300.0	9290
MB 880-9290/1-A	Method Blank	Soluble	Solid	300.0	9290
LCS 880-9290/2-A	Lab Control Sample	Soluble	Solid	300.0	9290
LCSD 880-9290/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9290
880-7007-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	9290
880-7007-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9290

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-1 (0-1)

Client: Tetra Tech, Inc.

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Project/Site: Caballo Section 23 TB

Lab Sample ID: 890-1384-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/13/21 23:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/11/21 21:53	AJ	XEN MID
Soluble	Leach	DI Leach			9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		1	9317	10/12/21 19:45	CH	XEN MID

Lab Sample ID: 890-1384-2

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Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Client Sample ID: T-1 (1)

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 00:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/11/21 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		1	9317	10/12/21 19:52	CH	XEN MID

Client Sample ID: T-1 (2)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01 Lab Sample ID: 890-1384-3

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 00:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/11/21 23:19	AJ	XEN MID
Soluble	Leach	DI Leach			9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		1	9317	10/12/21 19:59	CH	XEN MID

Client Sample ID: T-1 (3)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample	ID:	89	0-1	384-4	

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 00:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID

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Project/Site: Caballo Section 23 TB

| ah Sample ID: 890-1384-4

Lab Sample ID: 890-1384-4

. Matrix: Solid

Job ID: 890-1384-1

SDG: Lea County NM

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Client Sample ID: T-1 (3)

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/11/21 23:40	AJ	XEN MID
Soluble	Leach	DI Leach			9211	10/11/21 12:43	СН	XEN MID
Soluble	Analysis	300.0		1	9317	10/12/21 20:07	CH	XEN MID

Client Sample ID: T-1 (4) Lab Sample ID: 890-1384-5

Date Collected: 10/07/21 00:00 Matrix: Solid
Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 01:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 00:01	AJ	XEN MID
Soluble	Leach	DI Leach			9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		1	9317	10/12/21 20:14	CH	XEN MID

Client Sample ID: T-1 (5)

Lab Sample ID: 890-1384-6

Date Collected: 10/07/21 00:00 Matrix: Solid
Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 01:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 00:23	AJ	XEN MID
Soluble	Leach	DI Leach			9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		1	9317	10/12/21 20:21	CH	XEN MID

Client Sample ID: T-2 (0-1)

Lab Sample ID: 890-1384-7

Date Collected: 10/07/21 00:00 Matrix: Solid
Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 01:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 00:44	AJ	XEN MID

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Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-2 (0-1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-7

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			9211	10/11/21 12:43	СН	XEN MID
Soluble	Analysis	300.0		5	9317	10/12/21 20:28	CH	XEN MID

Lab Sample ID: 890-1384-8

Matrix: Solid

Client Sample ID: T-2 (1) Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 02:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 01:05	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		10	9318	10/13/21 00:41	CH	XEN MID

Client Sample ID: T-2 (2) Lab Sample ID: 890-1384-9

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 02:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 01:27	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		5	9318	10/13/21 01:03	CH	XEN MID

Client Sample ID: T-2 (3)

Lab Sample ID: 890-1384-10

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 02:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 01:48	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	СН	XEN MID
Soluble	Analysis	300.0		5	9318	10/13/21 01:10	CH	XEN MID

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-11

Matrix: Solid

Client Sample ID: T-2 (4) Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 04:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 02:30	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		5	9318	10/13/21 01:17	CH	XEN MID

Client Sample ID: T-3 (0-1) Lab Sample ID: 890-1384-12

Date Collected: 10/07/21 00:00 Matrix: Solid

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 04:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 02:51	AJ	XEN MID
Soluble	Leach	DI Leach	DL		9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0	DL	5	9318	10/13/21 01:24	CH	XEN MID

Client Sample ID: T-3 (1) Lab Sample ID: 890-1384-13 Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 05:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 03:12	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 01:46	CH	XEN MID

Client Sample ID: T-3 (2) Lab Sample ID: 890-1384-14 Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 05:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID

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Released to Imaging: 6/29/2022 3:01:36 PM

1

9212 10/11/21 12:48 CH

9318 10/13/21 01:53 CH

Client: Tetra Tech, Inc.

Soluble

Soluble

Project/Site: Caballo Section 23 TB

Client Sample ID: T-3 (2)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-14

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM			9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 03:33	AJ	XEN MID

Lab Sample ID: 890-1384-15

XEN MID

XEN MID

Matrix: Solid

Client Sample ID: T-3 (3) Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Leach

Analysis

DI Leach

300.0

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 05:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 03:54	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 02:00	CH	XEN MID

Client Sample ID: T-3 (4) Lab Sample ID: 890-1384-16 Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 06:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 04:16	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 02:07	CH	XEN MID

Client Sample ID: T-3 (5) Lab Sample ID: 890-1384-17

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 06:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 04:37	AJ	XEN MID

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Job ID: 890-1384-1 Project/Site: Caballo Section 23 TB SDG: Lea County NM

Lab Sample ID: 890-1384-17

Client Sample ID: T-3 (5)

Client Sample ID: T-3 (6)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			9212	10/11/21 12:48	СН	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 02:14	CH	XEN MID

Lab Sample ID: 890-1384-18

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 06:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 04:58	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	СН	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 02:21	CH	XEN MID

Client Sample ID: T-3 (7) Lab Sample ID: 890-1384-19

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 07:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 05:19	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 02:43	CH	XEN MID

Client Sample ID: T-3 (8) Lab Sample ID: 890-1384-20

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9120	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9368	10/14/21 07:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9374	10/13/21 13:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9190	10/11/21 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9180	10/12/21 05:40	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		5	9318	10/13/21 02:50	CH	XEN MID

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Matrix: Solid

Client: Tetra Tech, Inc. Project/Site: Caballo Section 23 TB

SDG: Lea County NM

Lab Sample ID: 890-1384-21

Matrix: Solid

Job ID: 890-1384-1

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Client Sample ID: T-4 (0-1)

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 11:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/11/21 21:53	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 03:11	CH	XEN MID

Client Sample ID: T-4 (1) Lab Sample ID: 890-1384-22

Matrix: Solid

Date Received: 10/08/21 12:01

Date Collected: 10/07/21 00:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 12:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/11/21 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	СН	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 03:19	CH	XEN MID

Client Sample ID: T-4 (2) Lab Sample ID: 890-1384-23 **Matrix: Solid**

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 12:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/11/21 23:19	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 03:26	CH	XEN MID

Client Sample ID: T-4 (3) Lab Sample ID: 890-1384-24

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 12:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID

Project/Site: Caballo Section 23 TB

Client Sample ID: T-4 (3)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-24

Matrix: Solid

	Batch	Batch		Dilution	Dilution Batch Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM			9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/11/21 23:40	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	СН	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 03:33	СН	XEN MID

Client Sample ID: T-4 (4) Lab Sample ID: 890-1384-25

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 13:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 00:01	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 03:40	CH	XEN MID

Client Sample ID: T-4 (5) Lab Sample ID: 890-1384-26

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 13:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 00:23	AJ	XEN MID
Soluble	Leach	DI Leach			9212	10/11/21 12:48	CH	XEN MID
Soluble	Analysis	300.0		1	9318	10/13/21 03:47	CH	XEN MID

Lab Sample ID: 890-1384-27 Client Sample ID: T-4 (6)

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

_	Batch	tch Batch Dilution Batch Prepared						
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 13:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 00:44	AJ	XEN MID

Project/Site: Caballo Section 23 TB

Client Sample ID: T-4 (6)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-27

Matrix: Solid

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst DI Leach CH Soluble Leach 9212 10/11/21 12:48 XEN MID Soluble Analysis 300.0 1 9318 10/13/21 03:54 СН XEN MID

Client Sample ID: T-4 (7) Lab Sample ID: 890-1384-28

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 14:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 01:05	AJ	XEN MID
Soluble	Leach	DI Leach			9213	10/11/21 12:50	СН	XEN MID
Soluble	Analysis	300.0		1	9319	10/12/21 18:36	CH	XEN MID

Client Sample ID: T-4 (8) Lab Sample ID: 890-1384-29

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 9121 10/11/21 10:30 KL XEN MID 8021B Total/NA 10/14/21 14:31 XEN MID Analysis 1 9391 KL Total/NA Analysis Total BTEX 1 9398 10/13/21 16:28 KL XEN MID Total/NA Analysis 8015 NM 1 9387 10/13/21 15:09 AJXEN MID Total/NA Prep 8015NM Prep 9191 10/11/21 10:50 DM **XEN MID** Total/NA Analysis XEN MID 8015B NM 1 9185 10/12/21 01:27 AJ

Client Sample ID: T-4 (9) Lab Sample ID: 890-1384-30

1

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

9213

9319

10/11/21 12:50

10/12/21 18:43

CH

CH

XEN MID

XEN MID

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 14:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 01:48	AJ	XEN MID
Soluble	Leach	DI Leach			9213	10/11/21 12:50	СН	XEN MID
Soluble	Analysis	300.0		1	9319	10/12/21 18:49	CH	XEN MID

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Soluble

Soluble

Leach

Analysis

DI Leach

300.0

Matrix: Solid

Project/Site: Caballo Section 23 TB

Client Sample ID: T-4 (10)

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-31

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 16:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 02:30	AJ	XEN MID
Soluble	Leach	DI Leach			9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1	9319	10/12/21 19:08	CH	XEN MID

Client Sample ID: T-4 (11) Lab Sample ID: 890-1384-32 Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 12:01

Date Received: 10/08/21 12:01

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Prep 5035 XEN MID Total/NA 9121 10/11/21 10:30 KL Total/NA 8021B 10/14/21 16:35 XEN MID Analysis 1 9391 KL Total/NA Total BTEX 10/13/21 16:28 KL XEN MID Analysis 1 9398 Total/NA Analysis 8015 NM 9387 10/13/21 15:09 XEN MID Total/NA XEN MID Prep 8015NM Prep 9191 10/11/21 10:50 DM Total/NA Analysis 8015B NM 9185 10/12/21 02:51 AJ XEN MID Soluble XEN MID Leach DI Leach 9213 10/11/21 12:50 CH Soluble Analysis 300.0 1 9319 10/12/21 19:15 CH XEN MID

Client Sample ID: T-4 (12) Lab Sample ID: 890-1384-33 Date Collected: 10/07/21 00:00

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 16:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 03:12	AJ	XEN MID
Soluble	Leach	DI Leach			9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1	9319	10/12/21 19:34	CH	XEN MID

Client Sample ID: T-5 (0-1) Lab Sample ID: 890-1384-34 Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 17:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID

Soluble

Analysis

300.0

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-34

Matrix: Solid

Client Sample ID: T-5 (0-1) Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 03:33	AJ	XEN MID
Soluble	Leach	DI Leach			9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1	9319	10/12/21 19:40	CH	XEN MID

Client Sample ID: T-5 (1) Lab Sample ID: 890-1384-35

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

Batch Batch Dilution Batch Prepared Prep Type Method Run Number or Analyzed Type Factor Analyst Lab 5035 Total/NA Prep 9121 10/11/21 10:30 KL XEN MID Total/NA Analysis 8021B 9391 10/14/21 17:37 KL XEN MID 1 Total/NA Total BTEX XEN MID Analysis 1 9398 10/13/21 16:28 KL Total/NA Analysis 8015 NM 10/13/21 15:09 XEN MID 1 9387 AJXEN MID Total/NA Prep 8015NM Prep 9191 10/11/21 10:50 DM XEN MID Total/NA Analysis 8015B NM 9185 10/12/21 03:54 1 AJSoluble Leach DI Leach 9213 10/11/21 12:50 CH XEN MID

Client Sample ID: T-5 (2) Lab Sample ID: 890-1384-36

1

10/12/21 19:46

СН

9319

XEN MID

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 17:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 04:16	AJ	XEN MID
Soluble	Leach	DI Leach			9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1	9319	10/12/21 19:53	CH	XEN MID

Client Sample ID: T-5 (3) Lab Sample ID: 890-1384-37

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 18:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 04:37	AJ	XEN MID

Project/Site: Caballo Section 23 TB

Client Sample ID: T-5 (3)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

SDG: Lea County NM

Lab Sample ID: 890-1384-37

Matrix: Solid

Job ID: 890-1384-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1	9319	10/12/21 20:00	CH	XEN MID

Client Sample ID: T-5 (4) Lab Sample ID: 890-1384-38

Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 18:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 04:58	AJ	XEN MID
Soluble	Leach	DI Leach			9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1	9319	10/12/21 20:06	CH	XEN MID

Client Sample ID: T-5 (5) Lab Sample ID: 890-1384-39

Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 19:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 05:19	AJ	XEN MID
Soluble	Leach	DI Leach			9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1	9319	10/12/21 20:13	CH	XEN MID

Client Sample ID: T-5 (6) Lab Sample ID: 890-1384-40

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9121	10/11/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	9391	10/14/21 19:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9398	10/13/21 16:28	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9191	10/11/21 10:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9185	10/12/21 05:40	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 09:15	CH	XEN MID

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Matrix: Solid

Project/Site: Caballo Section 23 TB

Lab Sample ID: 890-1384-41

Matrix: Solid

Job ID: 890-1384-1

SDG: Lea County NM

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Client Sample ID: T-5 (7)

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/14/21 22:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/11/21 21:26	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		5	9320	10/13/21 09:36	CH	XEN MID

Lab Sample ID: 890-1384-42

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Client Sample ID: T-5 (8)

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab 5035 XEN MID Total/NA Prep 9202 10/11/21 11:45 KL Total/NA 8021B 10/14/21 23:15 XEN MID Analysis 1 9431 KL Total/NA Total BTEX 10/14/21 10:53 KL XEN MID Analysis 1 9454 Total/NA Analysis 8015 NM 9387 10/13/21 15:09 XEN MID Total/NA XEN MID Prep 8015NM Prep 9215 10/11/21 13:34 DM Total/NA Analysis 8015B NM 9176 10/11/21 22:27 AJ XEN MID Soluble XEN MID Leach DI Leach 9214 10/11/21 12:54 CH Soluble Analysis 300.0 10 9320 10/13/21 09:44 CH XEN MID

Client Sample ID: T-5 (9)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-43

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/14/21 23:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/11/21 22:48	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		5	9320	10/13/21 09:51	CH	XEN MID

Client Sample ID: T-5 (10)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-44

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/14/21 23:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID

Soluble

Project/Site: Caballo Section 23 TB

Client Sample ID: T-5 (10)

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

300.0

Analysis

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID: 890-1384-44

XEN MID

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM			9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/11/21 23:08	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	СН	XEN MID

Client Sample ID: T-6 (0-1) Lab Sample ID: 890-1384-45

9320 10/13/21 09:58 CH

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 00:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/11/21 23:29	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	СН	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 15:29	CH	XEN MID

Client Sample ID: T-6 (1) Lab Sample ID: 890-1384-46

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 00:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/11/21 23:49	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 15:42	CH	XEN MID

Client Sample ID: T-6 (2) Lab Sample ID: 890-1384-47

Date Collected: 10/07/21 00:00 **Matrix: Solid** Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 00:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 00:09	AJ	XEN MID

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10/18/2021

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Client Sample ID: T-6 (2)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-47

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			9214	10/11/21 12:54	СН	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 15:49	CH	XEN MID

Client Sample ID: T-6 (3) Lab Sample ID: 890-1384-48 Date Collected: 10/07/21 00:00

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 01:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 00:29	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 15:56	CH	XEN MID

Client Sample ID: T-6 (4) Lab Sample ID: 890-1384-49

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 01:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 00:49	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 16:04	CH	XEN MID

Client Sample ID: T-6 (5) Lab Sample ID: 890-1384-50 Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 01:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 01:09	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 16:11	CH	XEN MID

Project/Site: Caballo Section 23 TB Client Sample ID: T-6 (6)

Lab Sample ID: 890-1384-51

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Matrix: Solid

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst 5035 Total/NA Prep 10/11/21 11:45 KL XEN MID 9202 Total/NA Analysis 8021B 1 9431 10/15/21 03:20 KL XEN MID Total/NA Analysis Total BTEX 10/14/21 10:53 KL XEN MID 9454 XEN MID 8015 NM Total/NA Analysis 1 9387 10/13/21 15:09 AJ XEN MID Total/NA 8015NM Prep 9215 10/11/21 13:34 Prep DM Total/NA Analysis 8015B NM 9176 10/12/21 01:48 AJ**XEN MID** 10/11/21 12:54 XEN MID Soluble Leach DI Leach 9214 CH Soluble Analysis 300.0 1 9320 10/13/21 16:33 СН XEN MID

Lab Sample ID: 890-1384-52

Client Sample ID: T-6 (7) Date Collected: 10/07/21 00:00 Matrix: Solid

Date Received: 10/08/21 12:01

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Number or Analyzed Analyst Lab Factor XEN MID Total/NA Prep 5035 10/11/21 11:45 KL 9202 8021B 10/15/21 03:41 XEN MID Total/NA Analysis 1 9431 KL Total/NA Total BTEX XEN MID Analysis 1 9454 10/14/21 10:53 ΚI Total/NA Analysis 8015 NM 9387 10/13/21 15:09 AJ**XEN MID** XEN MID Total/NA 8015NM Prep 9215 10/11/21 13:34 Prep DM Total/NA Analysis 8015B NM 9176 10/12/21 02:08 AJ **XEN MID** Soluble XEN MID DI Leach 10/11/21 12:54 CH Leach 9214 Soluble Analysis 300.0 1 9320 10/13/21 16:40 СН XEN MID

Client Sample ID: T-6 (8) Date Collected: 10/07/21 00:00 Lab Sample ID: 890-1384-53

Matrix: Solid

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 04:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 02:28	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 17:01	CH	XEN MID

Client Sample ID: T-6 (9) Date Collected: 10/07/21 00:00 Lab Sample ID: 890-1384-54

Matrix: Solid

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 04:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID

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Analysis

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Client Sample ID: T-6 (9)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-54

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 02:48	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	СН	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 18:32	CH	XEN MID

Lab Sample ID: 890-1384-55

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Client Sample ID: T-6 (10)

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 04:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 03:08	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	СН	XEN MID
Soluble	Analysis	300.0		5	9320	10/13/21 18:39	CH	XEN MID

Client Sample ID: T-6 (11) Lab Sample ID: 890-1384-56 Date Collected: 10/07/21 00:00

Matrix: Solid Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 05:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 03:28	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 18:46	CH	XEN MID

Lab Sample ID: 890-1384-57 Client Sample ID: T-7 (0-1)

Date Collected: 10/07/21 00:00 **Matrix: Solid**

Date Received: 10/08/21 12:01

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 05:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 03:48	AJ	XEN MID

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Released to Imaging: 6/29/2022 3:01:36 PM

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Client Sample ID: T-7 (0-1)

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Lab Sample ID: 890-1384-57

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			9214	10/11/21 12:54	СН	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 18:54	CH	XEN MID

Lab Sample ID: 890-1384-58

Matrix: Solid

Client Sample ID: T-7 (1) Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 05:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 04:08	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 19:01	CH	XEN MID

Client Sample ID: T-7 (2) Lab Sample ID: 890-1384-59

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 06:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 04:28	AJ	XEN MID
Soluble	Leach	DI Leach			9214	10/11/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1	9320	10/13/21 19:08	CH	XEN MID

Client Sample ID: T-7 (3) Lab Sample ID: 890-1384-60 Date Collected: 10/07/21 00:00

Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9202	10/11/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	9431	10/15/21 06:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9454	10/14/21 10:53	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9215	10/11/21 13:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 04:48	AJ	XEN MID
Soluble	Leach	DI Leach			9290	10/12/21 10:34	CH	XEN MID
Soluble	Analysis	300.0		1	9456	10/14/21 14:39	CH	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

Lab Chronicle

Client: Tetra Tech, Inc.

Job ID: 890-1384-1

Project/Site: Caballo Section 23 TB

SDG: Lea County NM

Client Sample ID: T-7 (4)

Lab Sample ID: 890-1384-61

Matrix: Solid

Date Collected: 10/07/21 00:00 Date Received: 10/08/21 12:01

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9107	10/11/21 10:24	KL	XEN MID
Total/NA	Analysis	8021B		1	9282	10/13/21 00:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9297	10/12/21 10:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1	9387	10/13/21 15:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9249	10/11/21 15:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1	9176	10/12/21 06:30	AJ	XEN MID
Soluble	Leach	DI Leach			9290	10/12/21 10:34	CH	XEN MID
Soluble	Analysis	300.0		1	9456	10/14/21 14:44	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Carlsbad

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Accreditation/Certification Summary

Client: Tetra Tech, Inc.

Job ID: 890-1384-1

Project/Site: Caballo Section 23 TB

SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date	
Texas		ELAP	T104704400-21-22	06-30-22	
The following analytes	are included in this report hi	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for	
the agency does not of	· '	it the laboratory is not certain	ed by the governing additionty. This list the	ay include analytes for	
0 ,	· '	Matrix	Analyte	ay include analytes for	
the agency does not of	fer certification.	,	, , ,		

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Method Summary

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1 SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1384-1	T-1 (0-1)	Solid	10/07/21 00:00	10/08/21 12:01	0 - 1
890-1384-2	T-1 (1)	Solid	10/07/21 00:00	10/08/21 12:01	1
890-1384-3	T-1 (2)	Solid	10/07/21 00:00	10/08/21 12:01	2
890-1384-4	T-1 (3)	Solid	10/07/21 00:00	10/08/21 12:01	3
890-1384-5	T-1 (4)	Solid	10/07/21 00:00	10/08/21 12:01	4
890-1384-6	T-1 (5)	Solid	10/07/21 00:00	10/08/21 12:01	5
890-1384-7	T-2 (0-1)	Solid	10/07/21 00:00	10/08/21 12:01	0
890-1384-8	T-2 (1)	Solid	10/07/21 00:00	10/08/21 12:01	1
890-1384-9	T-2 (2)	Solid	10/07/21 00:00	10/08/21 12:01	2
890-1384-10	T-2 (3)	Solid	10/07/21 00:00	10/08/21 12:01	3
890-1384-11	T-2 (4)	Solid	10/07/21 00:00	10/08/21 12:01	4
890-1384-12	T-3 (0-1)	Solid	10/07/21 00:00	10/08/21 12:01	0
890-1384-13	T-3 (1)	Solid	10/07/21 00:00	10/08/21 12:01	1
890-1384-14	T-3 (2)	Solid	10/07/21 00:00	10/08/21 12:01	2
890-1384-15	T-3 (3)	Solid	10/07/21 00:00	10/08/21 12:01	3
890-1384-16	T-3 (4)	Solid	10/07/21 00:00	10/08/21 12:01	4
890-1384-17	T-3 (5)	Solid	10/07/21 00:00	10/08/21 12:01	5
890-1384-18	T-3 (6)	Solid	10/07/21 00:00	10/08/21 12:01	6
890-1384-19	T-3 (7)	Solid	10/07/21 00:00	10/08/21 12:01	7
890-1384-20	T-3 (8)	Solid	10/07/21 00:00	10/08/21 12:01	8
890-1384-21	T-4 (0-1)	Solid	10/07/21 00:00	10/08/21 12:01	0
890-1384-22	T-4 (1)	Solid	10/07/21 00:00	10/08/21 12:01	1
890-1384-23	T-4 (2)	Solid	10/07/21 00:00	10/08/21 12:01	2
890-1384-24	T-4 (3)	Solid	10/07/21 00:00	10/08/21 12:01	3
890-1384-25	T-4 (4)	Solid	10/07/21 00:00	10/08/21 12:01	4
890-1384-26	T-4 (5)	Solid	10/07/21 00:00	10/08/21 12:01	5
890-1384-27	T-4 (6)	Solid	10/07/21 00:00	10/08/21 12:01	6
890-1384-28	T-4 (7)	Solid	10/07/21 00:00	10/08/21 12:01	7
890-1384-29	T-4 (8)	Solid	10/07/21 00:00	10/08/21 12:01	8
890-1384-30	T-4 (9)	Solid	10/07/21 00:00	10/08/21 12:01	9
890-1384-31	T-4 (10)	Solid	10/07/21 00:00	10/08/21 12:01	10
890-1384-32	T-4 (11)	Solid	10/07/21 00:00	10/08/21 12:01	11
890-1384-33	T-4 (12)	Solid	10/07/21 00:00	10/08/21 12:01	12
890-1384-34	T-5 (0-1)	Solid	10/07/21 00:00	10/08/21 12:01	0
890-1384-35	T-5 (1)	Solid	10/07/21 00:00	10/08/21 12:01	1
890-1384-36	T-5 (2)	Solid	10/07/21 00:00	10/08/21 12:01	2
890-1384-37	T-5 (3)	Solid	10/07/21 00:00	10/08/21 12:01	3
890-1384-38	T-5 (4)	Solid	10/07/21 00:00	10/08/21 12:01	4
890-1384-39	T-5 (5)	Solid	10/07/21 00:00	10/08/21 12:01	5
890-1384-40	T-5 (6)	Solid	10/07/21 00:00	10/08/21 12:01	6
890-1384-41	T-5 (7)	Solid	10/07/21 00:00	10/08/21 12:01	7
890-1384-42	T-5 (8)	Solid	10/07/21 00:00	10/08/21 12:01	8
890-1384-43	T-5 (9)	Solid	10/07/21 00:00	10/08/21 12:01	9
890-1384-44	T-5 (10)	Solid	10/07/21 00:00	10/08/21 12:01	10
890-1384-45	T-6 (0-1)	Solid	10/07/21 00:00	10/08/21 12:01	0
890-1384-46	T-6 (1)	Solid	10/07/21 00:00	10/08/21 12:01	1
890-1384-47	T-6 (2)	Solid	10/07/21 00:00	10/08/21 12:01	2
890-1384-48	T-6 (3)	Solid	10/07/21 00:00	10/08/21 12:01	3
890-1384-49	T-6 (4)	Solid	10/07/21 00:00	10/08/21 12:01	4
890-1384-50	T-6 (5)	Solid	10/07/21 00:00	10/08/21 12:01	5
890-1384-51	T-6 (6)	Solid	10/07/21 00:00	10/08/21 12:01	6
890-1384-52	T-6 (7)	Solid	10/07/21 00:00	10/08/21 12:01	7
890-1384-53	T-6 (8)	Solid	10/07/21 00:00	10/08/21 12:01	8
890-1384-54	T-6 (9)	Solid	10/07/21 00:00	10/08/21 12:01	9

Sample Summary

Client: Tetra Tech, Inc.

Project/Site: Caballo Section 23 TB

Job ID: 890-1384-1

SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1384-55	T-6 (10)	Solid	10/07/21 00:00	10/08/21 12:01	10
890-1384-56	T-6 (11)	Solid	10/07/21 00:00	10/08/21 12:01	11
890-1384-57	T-7 (0-1)	Solid	10/07/21 00:00	10/08/21 12:01	0
890-1384-58	T-7 (1)	Solid	10/07/21 00:00	10/08/21 12:01	1
890-1384-59	T-7 (2)	Solid	10/07/21 00:00	10/08/21 12:01	2
890-1384-60	T-7 (3)	Solid	10/07/21 00:00	10/08/21 12:01	3
890-1384-61	T-7 (4)	Solid	10/07/21 00:00	10/08/21 12:01	4

Analysis Request of Chain of Custody Record iquished by LAB# 큐 らいいてもと S ٤ Tetra Tech, Inc. SAMPLE IDENTIFICATION -OG Resources Time 1017121 DITIE 01717 10/7/21 1017/21 10/1/21 1271 ORIGINAL COPY DATE SAMPLING Brittany TIME WATER MATRIX SOIL 10/8/14 Date: HCL HNO₃ None 0:5 CONTAINERS FILTERED (Y/N) BTEX 8260B BTEX 8021B LAB USE ONLY TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg Circle or TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles ANALYSIS REQUEST RUSH: Same Day 24 hr 48 hr 72 hr TCLP Semi Volatiles Special Report Limits or TRRP Report STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

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Receiving Laboratory: Analysis Request of Chain of Custody Record stinguished by ABUSE LAB# 넊 200 くのいっこうでき E 0-1 0 C. Ŋ Tetra Tech, Inc. SAMPLE IDENTIFICATION Section 0/8/2 AUTOF: DA 10G 73 RESOURCES Mexico 10/1/2 1017/2 1017/21 10/7/21 1017/2 17/17/10 वा-10 1017121 ORIGINAL COPY Received by: 10/7/2 DATE SAMPLING BriTTany TIME WATER MATRIX SOIL 10/8/21 901W Wall Street, Sto 100 Nidend, Texes 79705 Tel (432) 682-4559 Fex (432) 682-3946 Date: HCL PRESERVATIVE METHOL 02519 ona HNO₃ ICE 12:0 None 10812 # CONTAINERS FILTERED (Y/N) BTEX 8021B BTEX 8260B AB USE DALY TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C (Circle or Specify Method Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg REMARKS **TCLP Volatiles ANALYSIS REQUEST** X RUSH: Same Day TCLP Semi Volatiles Special Report Limits or TRRP Report STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi. Val. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Page 24 hr 48 hr (72 hr No Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

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teceiving Laboratory: roject Name: Analysis Request of Chain of Custody Record LAB# 1000 ナープ エー 6000 くのいいできる Tetra Tech, Inc. SAMPLE IDENTIFICATION (3) Section 2 10/8/2 Date: -urofins OG Resources New Time Mexico 10/7/24 101712 IDI TIZI 10/7/21 Received by: 10/1/2 10/1/21 017/2 101712 ORIGINAL COPY Received by: DATE SAMPLING Brittony TIME WATER MATRIX SOIL 10/8/21 901W Walt Street, Ste 100 Midland, Texas 79705 Tel (432) 882-4559 Fax (432) 882-3946 Date: HCL PRESERVATIVE METHOD ena 075 R HNO₃ ICE None 018121 # CONTAINERS FILTERED (Y/N) BTEX 8021B BTEX 8260B AB USE ONLY TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg (Circle or Specify Method TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles ANALYSIS REQUEST RUSH: Same Day TCLP Semi Volatiles Special Report Limits or TRRP Report STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi, Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Page 24 hr 48 hr (72 hr 20 Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

Page 115 of 128

teceiving Laboratory: Analysis Request of Chain of Custody Record nvoice to: 검 2000 てのいってのい 3 S 7 Tetra Tech, Inc. SAMPLE IDENTIFICATION Section 0/8/2 Date: -urofins -OG Resources Time: Time Time 2 1017171 10/7/21 101712 (01712) 1017/21 101-101 101712 ORIGINAL COPY Received by: DATE SAMPLING Br. Tlany TIME WATER MATRIX SOIL 901W Walt Street, Stp. 100 Midband, Texas 79705 Tel (432) 582-4559 Fax (432) 582-3946 10/8/21 Date: HCL ena 02519 HNO₃ ICE None 2:0 # CONTAINERS FILTERED (Y/N) BTEX 8021B BTEX 8260B AB USE ONLY TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C (Circle or Specify Method Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles ANALYSIS REQUEST RUSH: Same Day TCLP Semi Volatiles Special Report Limits or TRRP Report RCI STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) 24 hr 48 hr (72 hr 20 Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

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relinquished by: Analysis Request of Chain of Custody Record Hent Name: AB USE LAB# 걲 でいっというとい 0-1 2 િ W Tetra Tech, Inc. SAMPLE IDENTIFICATION Section Ö 10/5/2 Dalle: Date: -OG Resources New Mexico Time: Time 73 و 1017124 12/1/01 1017121 INTER 1271 ORIGINAL COPY Received by: 101-101 101712 1017121 DATE SAMPLING TIME WATER MATRIX SOIL 901W Wall Street, Sto 100 Middand, Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946 10/8/21 Date: HCL PRESERVATIVE METHOD cha HNO₃ Time: CE None 50:21 # CONTAINERS FILTERED (Y/N) BTEX 8021B BTEX 8260B LAB USE ONLY TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg Circle or Specify Method TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles ANALYSIS REQUEST RUSH: Same Day TCLP Semi Volatiles Special Report Limits or TRRP Report RCI STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) 24 hr 48 hr (72 hr) Chloride 20 Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

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elinquished by: teceiving Laboratory Analysis Request of Chain of Custody Record LAB # 4 3 ż 人のないでより 0 Tetra Tech, G SAMPLE IDENTIFICATION 10/8/21 Time: 20 Resource lnc. 10/7/2] 10/7/21 (0/7/2) Project #: 1017121 10/7/21 ORIGINAL COPY Received by: 10/7/21 10/7/21 10/7/72 D DATE SAMPLING TIME 1)0h WATER MATRIX SOIL 10/8hu 901W Wall Street, Ste 100 Midland, Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946 Date: Date: HCL PRESERVATIVE METHOD Long HNO₃ Time: ICE 20:53 None CONTAINERS FILTERED (Y/N) BTEX 8021B BTEX 8260B LAB USE ONLY TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg (Circle or Specify Method TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles **ANALYSIS REQUEST** XRUSH: Same Day TCLP Semi Volatiles Special Report Limits or TRRP Report Rush Charges Authorized STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) 24 hr No. Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance (Z) Hold

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Eurofins Xenco, Carlsbad 1089 N Canal St.

Chain of Custody Record

💸 eurofins

Environment Testing America

Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199

Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer Jessica	- Do	2. S						arrier	Carrier Tracking No(s)	g No(s)			ာ Q	COC No		
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Shipping/Receiving				jessica	essica kramer@eurofinset com	er@e	urofin	set c	ä		L	lew N	New Mexico				-	Page 1 of 7		
Eurofins Xenco				7 Þ	Accreditations Required (See note) NELAP - Louisiana NELAP	ations +	Require	a NE	1	Texas	G						<u>∞ ⊱</u>	Job # 890-1384-1		
Address 1211 W Florida Ave	Due Date Requested 10/13/2021	۵							Anal)	ysis	Requested	leste	ă				- -	Preservation Codes.	odes.	-
City Midland	TAT Requested (days):	ys):				BO.			\dashv			_	\dashv	ㅓ		and the		A HCL B NaOH C Zn Acetate	0 Z Z	M Hexane N None O - AsNaO2
State, Zip: TX 79701						TPH C										agratusya.		O - Nitric Acid NaHSO4	σQ	Na2O4S Na2SO3
Phone: 432-704-5440(TeI)	PO#:			3													T O T	F MeOH G Amchlor H Ascorbic Acid	⊣ ທ z o	Na2S2O3 H2SO4
Email	WO#				DESCRIPTION OF THE PARTY OF THE		, comp									Visited in	J. 1880 (1883)	٠	< -	Acetone MCAA
Project Name. Caballo Secion 23 TB	Project #: 88000013				CARROLL PROCESS											a. Engriso	Millerydd	K EDTA	N Ş	other (specify)
Site:	SSOW#				TATO CONTROL			. BI						-				Other:		
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		Sample	Sample Type (C=comp,	Matrix (W=water S=solid, O=waste/oil,	ld Filtered rform MS/I	ORGFM_2	O-MRO	1B/5035FP_ 	6MOD_Calc								tal Numbe			
		X	Preservation Code:		100000	Same?		di d	Sharen	obradi		-4) 4			X!	opeoid		openia insulacionalivos.
T-1 (0-1) (890-1384-1)	10/7/21	Mountain		Solid		×	×	×	×											
T-1 (1) (890-1384-2)	10/7/21	Mountain		Solid		×	×	×	×											
T-1 (2) (890-1384-3)	10/7/21	Mountain		Solid		×	×	×	×											
T-1 (3) (890-1384-4)	10/7/21	Mountain		Solid		×	×	×	×											
T-1 (4) (890-1384-5)	10/7/21	Mountain		Solid		×	×	×	×								*			
T-1 (5) (890-1384-6)	10/7/21	Mountain		Solid		×	×	×	×											
T-2 (0-1) (890-1384-7)	10/7/21	Mountain		Solid		×	×	×	×								<i>#</i>			
T-2 (1) (890-1384-8)	10/7/21	Mountain		Solid		×	×	×	×											***************************************
T-2 (2) (890-1384-9)	10/7/21	Mountain		Solid		×	×	×	×				\dashv							
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	laces the ownership or sanalyzed the sanalyzed the sanalyzed the sanalyzed chain of Cus	of method anal imples must be stody attesting to	yte & accreditatic shipped back to l	n compliance the Eurofins >	upon o (enco LI Xenco	ut subo	contractory	t labora or othe	itories. r instru	This s	ample vill be	shipme provide	ntisfo d Any	rwarde chang	d unde es to a	r chain ccredit	of-cu	stody If the labo	oratory brough	This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently stions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC.
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Deliverable Requested II III IV Other (specify)	Primary Deliverable Rank	able Rank 2			Spe	ecial	nstruc	Special Instructions/QC		Requirements	emen	S								
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Custody Seals Intact. Custody Seal No						Coole	r Temp	Cooler Temperature(s) °C		and Other Remarks.	ner Re	narks.		80	L	S	<u>Q</u> _			

Chain of Custody Record

Chies I Come 30 (1906 2019) Chies I Chromation (Sub Contract Lab) Chies I Chromation (Sub Cont	Eurofins Xenco, Carlsbad																			!	
Control International Cont		0	hain c	of Cust	tody R	900	ă														Environment Testing America
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Contraction Contract Contra		Phone:			E-Mail jessio	a krar	mer@	eurof	inset	om			State	of Or	8 5					Page: Page 2 of 7	
Color March Annie Color Extended Color	Company Eurofins Xenco					Accredi	tations P - Lc	Requir	ed (Se	e note)	-Te	as								Job#: 890-1384-1	
Michael Mich	Address 1211 W Florida Ave	Due Date Requeste 10/13/2021	٩					l		Ana	50.	₽ P	į	<u> </u>					$oldsymbol{\perp}$	Preservation Codes	
Canadian Section 21 18 18 18 18 18 18 18	City Midland	TAT Requested (da	ys)					RO-												Totale H	Hexane - None
Color Colo	State, Zip: TX, 79701							TPH GI											u de la companya de l	Nitric Acid	- Na2O4S Na2SO3
Company Comp	Phone: 432-704-5440(Tel)	PO#:)		D) Full												MeOH Amchlor	H2SO4
Cachalle Section 20.21 B	Email	₩O#:				W. 1000		p (MO			·								8	Ice DI Water	Acetone MCAA
Sample S	Project Name Caballo Secion 23 TB	Project # 88000013				Www.brocon		_S_Pro	EX										tainer	EDTA EDA	other (specify)
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To (1) (890-1384-14)	T-3 (0-1) (890-1384-12)	10/7/21	Mountain		Solid		×	×											4		
Tr.3 (2) (880-1384-14) 107/21 Mountain Solid X X X X X X X X X	T-3 (1) (890-1384-13)	10/7/21	Mountain		Solid		×	×			$\widehat{}$								4		
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T-3 (5) (880-1384-17) T-3 (6) (880-1384-18) T-3 (8) (890-1384-18) T-3 (8) (180-1384-18) T-3 (180-1384-18) T-3	T-3 (4) (890-1384-16)	10/7/21	Mountain		Solid		×	×		-	$\widehat{}$)		
T-3 (6) (890-1384-18) Note Since laboratory accreditations are subject to change Eurofins Xenoc LLC places the ewnership of melhod analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/markty being analyzed the samples must be shipped back to the Eurofins Xenoc LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenoc LLC. Possible Hazard Identification Unconfirmed Deliverable Requested 1 II III IV Other (specify) Primary Deliverable Rank. 2 Primary Deliverable Rank. 2 Date Time Date Time Company Received by Rec	T-3 (5) (890-1384-17)	10/7/21	Mountain		Solid		×	×	-+										4		
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compilance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently method accreditation in the State of Origin listed above for analysis/tests/maritx being analyzed the samples must be shipped back to the Eurofins Xenco LLC. Possible Hazard Identification Unconfirmed Unconfirmed Unconfirmed Deliverable Requested 1 II III IV Other (specify) Primary Deliverable Rank. 2 Date Time Date Company Relinquished by Relinquis	Т-3 (6) (890-1384-18)	10/7/21	Mountain		Solid		×	×			$\hat{}$								-		
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ilverrable Requested i II III IV Other (specify) Primary Deliverable Rank. 2 Special Instructions/QC Requirements Intrine Date Time. Date Time. Date/Time Company Primary Deliverable Rank. 2 Date/Time Company Received by Cand Other Remarks.	Possible Hazard Identification Unconfirmed					_sa	⊔mple R	Disp eturn	osal l	A fe	e ma	□be	asse.	ssed	if sa	o mpl	_sa	∐e/e	Arch	ed longer than 1 m	onth)
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							Coole	er Tem	peratur	e(s) °C		ther R	emark	, s		Ī		l			

Chain of Custody Record

Eurofins Xenco, Carlsbad				9 章
1089 N Canal St.	Chain of Custody	Docord		Seurotins Environment Testing
Carlsbad, NM 88220	Chain of Charony Necolu	Zacola		America
Phone 575-988-3199 Fax: 575-988-3199				
	Sampler: Le	Lab PM	Carrier Tracking No(s)	COC No:
Client Information (Sub Contract Lab)		Kramer Jessica		890-454 3
Client Contact:	Phone.	E-Mail	State of Origin	Page:
Shipping/Receiving	je	jessica.kramer@eurofinset.com	New Mexico	Page 3 of 7
Company:		Accreditations Required (See note).		Job#:
Eurofins Xenco		NELAP - Louisiana, NELAP - Texas		890-1384-1
Address	Due Date Requested			Preservation Codes
1211 W Florida Ave	10/13/2021	Analysis Requested	quested	
City:	TAT Requested (days):	20-		
MICIAIC		R		C Zn Acetate O Acetaco

(Sub Contract Lab)	Sampler:			Lab PM Krame	Lab PM Kramer ,lessica	ssica						Cani	Carrier Tracking No(s)	king N	% (s)			8 S	COC No: 890-454 3	
	Phone.			E-Mail								State	State of Origin	3	i			0 P	Page:	
Company Eurofins Xenco					Accreditations Required (See note). NELAP - Louisiana. NELAP -	P - Lo	Requi	red (S	ELAF		Texas	ľ	1			1	l	g ပုံ	Job #: 890-1384-1	
Address 1211 W Florida Ave	Due Date Requested 10/13/2021	-							Analy	ılysi	sis Requested	due:	e e					. ঢ়	Preservation Codes	des
City: Midland	TAT Requested (days):	s):				9-LUNS992	RO-				\dashv							C B >		M - Hexane N None O - AsNaO2
State Zip: TX, 79701							TPH G										Post a suit	ם וחו		P Na2O4S Q Na2SO3
Phone 432-704-5440(Tel)	PO#				<u>))</u>	de	D) Full										No. 5	ד ח ד	G - Amchlor H Ascorbic Acid	S - H2SO4 T TSP Dodecahydrafe
Email	WO #-				organismos masso	yanaminana.	ep (MO											Start William Soll	ice Di Water	U - Acetone V MCAA
Project Name Caballo Secion 23 TB	Project #: 88000013				OMESSION OF	10/21/SE69/00	_S_Pr	ΓEX											EDA	VV PH 4-5 Z other (specify)
Site:	SSOW#:				North Control		015NM	Calc B	٧									20000000	Other:	
		-	Sample Type	Matrix (w=water S=solid,	Filtered orm MS/N	ORGFM_28	MOD_NM/8 MRO	3/6035FP_	_BTEX_GC	MOD_Calc							l Number	, runibei		
Sample Identification - Client ID (Lab ID)	Sample Date	Time	O	BT=Tissue, A=Air) tion Code:	STREET, STREET,	02-18-75- 339797 a 198908-8		80:	04-44A	80		iadal A	ontoni			-	J.		Special I	Special Instructions/Note:
T-3 (7) (890-1384-19)	10/7/21	Mountain		Solid		×	×	×	×	×							ر فد			
T-3 (8) (890-1384-20)	10/7/21	Mountain		Solid		×	×	×	×	×) - 3		
T-4 (0-1) (890-1384-21)	10/7/21	Mountain		Solid		×	×	×	×	×							end 3			
T-4 (1) (890-1384-22)	10/7/21	Mountain		Solid		×	×	×	×	×								(4 4)		
T-4 (2) (890-1384-23)	10/7/21	Mountain		Solid		×	×	×	×	×							PEACE	اً بقير		
T-4 (3) (890-1384-24)	10/7/21	Mountain		Solid		×	×	×	×	×							(CZ389)	-4		
T-4 (4) (890-1384-25)	10/7/21	Mountain		Solid		×	×	×	×	×								4		
T-4 (5) (890-1384-26)	10/7/21	Mountain		Solid		×	×	×	×	×							F 200	(کیس		
T-4 (6) (890-1384-27)	10/7/21	Mountain		Solid		×	×	×	×	×							garan yang	- <u>198</u> 5		
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instruation immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	aces the ownership or ing analyzed the sar signed Chain of Cus	f method analyngles must be tody attesting to	yte & accredita shipped back t said complica	tion compliand to the Eurofins ance to Eurofir	e upon Xenco s Xenc	out su LLC la	bcontr	act lab ny or of	oratorie her ins	s Thi truction	s samp 15 will 1	ile ship be prov	ment i	s forwa	ırded ι anges	nder c to acc	hain-c reditat	f-cus ion st	stody If the labor tatus should be br	This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently ctions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC.
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Reling/Ished by:	Date/Time/fu		0	Company		Rec	Received	E)	B	\$	R	M	İ		Date/Time	ime		l		Company
Relinquished by:	Date/Time [.]		0	Company		Rec	Received by	ÿ.					4		Date/Time	ime:				Company
Relinquished by:	Date/Time			Company		Rec	Received by	Ÿ.							Date/Time:	ime:				Company
Custody Seals Intact Custody Seal No						Co	ler Ter	nperati	Cooler Temperature(s) °C		and Other Remarks	Remark	įs.							

Eurofins Xenco, Carlsbad

Carlsbad, NM 88220 Phone: 575-988-3199 Fax 575-988-3199 Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company Euroffins Xenco	Sampler Phone:	hain c	Chain of Custody Record Lab PW: Kramer Jessics E-Mail jessica kramer@ Accreditation NELAP - L	Lab PM: Kramer E-Mail jessica h	Record Lab PM: Kramer Jessica E-Mail jessica kramer@eurofinset.com Accreditations Required (See note) NELAP - Louisiana NELAP	PCORD Ir Jessica kramer@eurofinset.com coreditations Required (See note) ELAP - Louisiana NELAP	g geurr s Requisi	ofins uired (Set. co	700) - Texas		Carrier Tracking State of Origin: New Mexico	Carrier Tracking No(s) State of Origin: New Mexico	gin:	Vo(s)			. به السلسل	©CC No: 890.454 4 Page: Page 4 of 7 Job # 890-1384-1	Environment festing America
1211 W Flonda Ave	10/13/2021				Auditoria.	1	1	1	_≥	Analysis Requested	Sis	Req	ues	fed						Preservation Codes A HCL N	
Midland State, Zip:	TAT Requested (days)	/s)				100 may 1	GRO-												Land H	H cetate	N None O AsNaO2
TX, 79701 Phone:							III TPH (P Na2O4S Q - Na2SO3 R Na2S2O3
Phone: 432-704-5440(Tel)	PO#			Į	<u>s)</u>	de	D) Ful	****											" (j)" (j)! 2. M. del	MeUH Amchlor Ascorbic Acid	K Na2S2U3 S H2SO4 T TSP Dodecahydrata
Email:	WO#				1012000000		OM) q												2000000000		U - Acetone V MCAA
Project Name Caballo Secion 23 TB	Project #: 88000013				Accessor (Constitution of	100000000000000000000000000000000000000	S_Pre	EX											ainer		W pH 4-5 Z other (specify)
Site	SSOW#:						016NM	Calc BT	v										S. 19955518	Other:	
		Sample	Sample Type (C=comp.	Matrix (w=water S=solid,	d Filtered : form MS/M	ORGFM_28	5MOD_NM/8 D-MRO	1B/5036FP_0	I_BTEX_GC	5MOD_Calc									al Number		
		X	Preservation Code:	tion Code:	2000 P 80		8	-	7	8		/	ka salah		and the second	te of	devasi	di di	ΧI	Special IIIS	special instructions/Note:
T-4 (7) (890-1384-28)	10/7/21	Mountain		Solid		×	×	×	×	×						2			Z.	A VANCOUS DESCRIPTION OF THE PROPERTY OF THE P	
T-4 (8) (890-1384-29)	10/7/21	Mountain		Solid		×	×	×	×	×									4		
T-4 (9) (890-1384-30)	10/7/21	Mountain		Solid	\dashv	×	×	×	×	×									A		
T-4 (10) (890-1384-31)	10/7/21	Mountain		Solid		×	×	×	×	×									~ 4		
T-4 (11) (890-1384-32)	10/7/21	Mountain		Solid		×	×	×	×	×											
T-4 (12) (890-1384-33)	10/7/21	Mountain		Solid		×	×	×	×	×									(44)		
T-5 (0-1) (890-1384-34)	10/7/21	Mountain		Solid		×	×	×	×	×											
T-5 (1) (890-1384-35)	10/7/21	Mountain		Solid		×	×	×	×	×									4		
T-5 (2) (890-1384-36)	10/7/21	Mountain		Solid		×	×	×	×	×											
Note: Since laboratory accreditations are subject to change. Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	laces the ownership c eing analyzed, the sai signed Chain of Cus	of method ana nples must be tody attesting t	yte & accredita shipped back t o said complica	ition complianc to the Eurofins ance to Eurofin	e upon Xenco s Xenc	DTTC #	bcont borato	ract la ory or	borato other i	nstruc	This s	ample vill be	shipr	nent is	ny ch	arded	under s to a	chair credi	1-of-c tation	ustody If the laborator status should be broug	y does not currently }ht to Eurofins Xenco LLC
Possible Hazard Identification Unconfirmed					ွှ	Sample Disposal (A f	l <mark>e Disposal (A f</mark> Return To Client	pos: n To	Clier A	[™] fee	may	be a	ee may be assessed if samples Disposal By Lab	sed Sal B	if sa	p 20	_ ss	∐eg∏	Arch	are retained longer than 1 n	1 month) Months
Deliverable Requested II III IV, Other (specify)	Primary Deliverable Rank. 2	ble Rank. 2			S	Special Instructions/QC	Insti	ructio	ons/C		Requirements	emer	ıts								
Empty Kit Relinquished by:		Date			Time:			2						Meth	od of	Method of Shipment:	ent:				
Relinquished by	Date/Time: 8/2	(Company		N 8	Received by	S. Car		\$	12	8				Date Date	Date/Time: Date/Time				Company
Relinquished by	Date/Time [.]			Company		Rec	Received by:	ρÝ	l							Date	Date/Time				Company
Custody Seals Intact. Custody Seal No						င်စင	Cooler Temperature(s) °C and Other Remarks.	mpera	ture(s) ိုင္ပ	nd Ot	er Re	marks		I	Γ			1		

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

Eurofins Xenco, Carlsbad

Chain of Custody Record

Client Information (Sub Contract Lab)	7			Kramer	2					Camer I racking No(s)	acking	NO(S)			COC No:	
on loan southwat Eun)	Phone:			E-Mail	Goolica					State of Origin:	Origin:				890-454 5 Page	
Company:				Jessica.kramer@eurofinset.com	a.Kramer@eurorinset.com	UFOIITS	Set cor	ş n		New Mexico	exico				Page 5 of 7	
Address				NEL	NELAP - Louisiana, NELAP	iisiana	NEL		Texas						890-1384-1	
1211 W Florida Ave, ,	Due Date Requested 10/13/2021	ă					₽	Analys	ysis Requested	ueste	ō.	ĺ			ation Code	ŭ
City Midland	TAT Requested (days):	iys):			RO.	\dashv			-		\dashv		\dashv		erate Serate	M Hexane N None O Assaco
State Zip TX 79701														r silkensi	A Ci	P Na2O4S Q Na2SO3
Phone: 432-704-5440(TeI)	PO#:				ie									20	of the Asid	R Na2S2O3 S H2SO4
Email	#O#			Manager Traction	Chloric	- (Ice DI Water	U Acetone V MCAA
Project Name Caballo Secion 23 TB	Project #: 88000013			and the second	ACH									iner		W pH 4-5 Z - other (specify)
	SSOW#:			Contractor of	LLE.									onts		
				wicestrangerere	8D/DI			,						ofco	Omer	
		Sample	Sample Matrix Type (vi-water S-solid, O-wastefoll,	eld Filtered	orform MS/I 0_ORGFM_2 15MOD_NM/	O-MRO 21B/5035FP	tal_BTEX_G	15MOD_Calc	ald drage				······	tal Number		
	$\left\langle \right\rangle$	X	Preservation Code:	X						(7)		3/4/2		XI.		Special managements.
T-5 (3) (890-1384-37)	10/7/21	Mountain	Solid	ō.	×	×	×	×						4		
T-5 (4) (890-1384-38)	10/7/21	Mountain	Solid	<u>a</u>	×	×	×	×								
T-5 (5) (890-1384-39)	10/7/21	Mountain	Solid	īĊ.	×	×	×	×						4		
T-5 (6) (890-1384-40)	10/7/21	Mountain	Solid	ā	×	×	×	×								
T-5 (7) (890-1384-41)	10/7/21	Mountain	Solid	ā	×	×	×	×			\dashv			20		
T-5 (8) (890-1384-42)	10/7/21	Mountain	Solid	ā:	×	×	×	×			\dashv			4		111111111111111111111111111111111111111
T-5 (9) (890-1384-43)	10/7/21	Mountain	Solid	ā	×	×	×	×	-		_			(4)		
T-5 (10) (890-1384-44)	10/7/21	Mountain	Solid	<u>a</u> .	×	×	×	×						_		
T-6 (0-1) (890-1384-45)	10/7/21	Mountain	Solid	ā	×	×	×	×						44		
Note. Since laboratory accreditations are subject to change. Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC accreditation in the support of the support	aces the ownership aing analyzed the sa signed Chain of Cus	of method anal imples must be stody attesting t	yte & accreditation cor shipped back to the E o said complicance to	npliance upo urofins Xenco Eurofins Xen	n out subc o LLC labo co LLC.	ontract I ratory or	aborato r other ir	ries Th	nis sample ons will be	shipmer providec	nt is forw	arded u	nder ch	ain-of-o	custody If the laborator	ry does not currently ght to Eurofins Xenco LLC
Possible Hazard Identification Unconfirmed				S	Sample Disposal (A fee	le Disposal (A f Return To Client	al (A	fee m	ay be a	assessed if san Disposal By Lab	d if se	mples	□ are r	etain	may be assessed if samples are retained longer than 1 month) Disposal By Lab Archive For Mon	month)
Deliverable requested in ill IV Other (specify)	Primary Deliverable Rank 2	able Rank 2		S	Special Instructions/QC R	nstructi	ons/Q	C Rec	equirements	ıts.						
linquished by		Date		Time:	ά	>				Ŋ.	Method of Shipment:	Shipme	Dt.			
	/0/0/21		Company	٧	Received	Apr.	12/	\$	Z)			Date/Time	me			Company
	Date/Time		Company	~	Received by	ed by: Y						Date/Time	me			Company
remethement h	Date/Time		Company	y	Received by	ed by						Date/Time:	ime:			Company
Custody Seal No A Yes A No					Cooler	Cooler Temperature(s) °C	ature(s)		and Other Remarks	marks.						
				-	-											

Environment Testing America

🐝 eurofins

Carlsbad NM 88220

Eurofins Xenco, Carlsbad

13 14

Chain of Custody Record

euro
fins

Environment Testing

State, Zip: TX, 79701 T-6 (7) (890-1384-52) T-6 (1) (890-1384-46) Sample Identification - Client ID (Lab ID) Г-6 (9) (890-1384-54) T-6 (8) (890-1384-53) T-6 (6) (890-1384-51) T-6 (5) (890-1384-50) T-6 (4) (890-1384-49) Г-6 (3) (890-1384-48) Г-6 (2) (890-1384-47) Caballo Secion 23 TB 432-704-5440(Tel) Client Information
Client Contact: Phone. 575-988-3199 Fax 575-988-3199 Empty Kit Relinquished by ossible Hazard Identification Midland oter Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently laboratories in the State of Origin listed above for analysis/rests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC. eliverable Requested I II III IV 211 W Florida Ave hipping/Receiving linquished by: Custody Seals Intact: oject Name rofins Xenco No (Sub Contract Lab) Custody Seal Other (specify) Project #: 88000013 Due Date Requested 10/13/2021 Sample Date TAT Requested (days) Phone: Primary Deliverable Rank 2 Date/Time Date/Time: 10/8/V 10/7/21 10/7/21 10/7/21 10/7/21 10/7/21 10/7/21 10/7/21 10/7/21 10/7/21 Date Mountain Mountain Mountain Mountain Mountain Mountain Mountain Mountain Mountain Time (C=comp, G=grab) Preservation Code: Type Company Company Matrix Solid Solid Solid Solid Solid Solid Solid Solid Solid Lab PM Kramer Jessica jessica kramer@eurofinset.com Field Filtered Sample (Yes or No) Accreditations Required (See note)
NELAP - Louisiana NELAP - Texas Time Perform MS/MSD (Yes or No) Sample Disposal (A fee may be assessed if samples are retained longer Special Instructions/QC Requirements 300_ORGFM_28D/DI_LEACH Chloride × × × Received by: × × × × Cooler Temperature(s) °C and Other Remarks × Return To Client 8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-× × × × × × × × DRO-MRO × × × × × × 8021B/5035FP_Calc BTEX Total_BTEX_GCV × × × × × × × × Analysis Requested 8015MOD_Calc × × × × × × × × × Disposal By Lab New Mexico State of Origin Carrier Tracking No(s) Date/Time Archive For 4 44 Total Number of containers A HCL
B NaOH
C Zn Acetate
D Nitric Acid
E - NaHSO4
F Meloh
G - Amchlor
H Ascorbic Acid
I loe
J DI Water
K EDTA
L EDA Page: Page 6 of 7 COC No: 890-454 6 Preservation Codes 890-1384-1 Special Instructions/Note than M Hexane
N None
O AsNaO2
P-Na2O4S
Q Na2SO3
R -Na2SO3
S H2SO4
T TSP Dodecahydrate
U Acetone
V-MCAA
W pH 4-5
Z - other (specify) month) Company Company Months 06/08/202

Chain of Custody Record

Custody Seals Intact: Custody Seal No	Relinquished by:	Relinquished by	Relinquished by	Empty Kit Relinquished by:	Deliverable Requested II III, IV Other (specify)	Possible Hazard Identification Unconfirmed	Note: Since laboratory accreditations are subject to change. Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.			T-7 (4) (890-1384-61)	T-7 (3) (890-1384-60)	T-7 (2) (890-1384-59)	T-7 (1) (890-1384-58)	T-7 (0-1) (890-1384-57)	T-6 (11) (890-1384-56)	T-6 (10) (890-1384-55)		Sample Identification - Client ID (Lab ID)		Site	Project Name. Caballo Secion 23 TB	Email.	Phone: 432-704-5440(TeI)	State, Zip TX, 79701	City: Midland	1211 W Florida Ave, ,	Company Eurofins Xenco	Chem Contact Shipping/Receiving	Client Information (Sub Contract Lab)	Phone 575-988-3199 Fax 575-988-3199	Ŏ.	Eurofins Xenco, Carlsbad
	Date/Time	Date/Time:	Date/Time: /Q/8/\mu		Primary Deliverable Rank		laces the ownership eing analyzed, the sa signed Chain of Cu			10/7/21	10/7/21	10/7/21	10/7/21	10/7/21	10/7/21	10/7/21		Sample Date		SSOW#:	Project #: 88000013	#:	PO#:		TAT Requested (days):	Due Date Requested 10/13/2021		Phone	Sampler		_	
			1	Date			of method an amples must b istody attesting			Mountain	Mountain	Mountain	Mountain	Mountain	Mountain	Mountain	\rangle	Time	Sample						ıys):	ă					Chain of Custody Record	
					2		alyte & accred e shipped bac to said compl										Preserva	G=grab)	Sample Type (C=comp,												of Cus	
	Company	Company	Company				itation complia k to the Eurofir icance to Euro			Solid	Solid	Solid	Solid	Solid	Solid	Solid	Preservation Code:	BT=Tissue, A≍Air	Matrix (w=water S=solid, O=waste/oll,									E-Mail jessic	Krame		tody F	
				Time.	SI	S	nce upon 1s Xenco fins Xenc										Z	Fie	ild Filtered norm MS/M		100000000000000000000000000000000000000	NESCOSTIC V	o)		-		Accred	≘Mail essica.kramer@eurofinset.com	Kramer, Jessica		ecc	
Coole	Received	Rećeivec	Received	·	Special Instructions/Q	Sample Disposal (A	out sub LLC lab o LLC.			×	×	×	×	×	×	×	37 T	(A	ORGFM_28					. TDU C	`BO		Accreditations Required (See note) NELAP - Louisiana NELAP - Texas	mer@e	ssica		ă	
Cooler Temperature(s)	ved by:	ved by:	ved by		nstruc	le Disposal (A Return To Clien	contract pratory			×	×	×	×	×	×	×		DR	6MOD_NM/8 O-MRO			ep (mo	D) rui	III			Require	urofin				
erature(7		tions/	sal (/	t laborat or other			×	×	×	×	×	×	×		- 6	21B/6035FP_0 :al_BTEX_GC		IEA					Þ	NEL	set.cc				
റ്			A Company		QC R	~	tories. instruc			×	×	×	×	×	×	×	5	801	5MOD_Calc							Analy	AP e	ğ				
and Other Remarks			X		C Requirements	may t	This sa																			alysis Requested	Texas					
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arks				Me		assessed if san Disposal By Lab	ipment ovided										1	1								stec		State of Origin New Mexico	Carrier Tracking No(s)			
				hod of		d if sa By La	is forw Any ct																,			_		xico Nico	icking ?			
	Date/Time	Date/Time	Date/Time:	Method of Shipment.		mple:	arded u langes											1											lo(s)			
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						fee may be assessed if samples are retained longer than 1 month) Disposal By Lab Archive For	custody If the labora n status should be br		Lipi America - E			(2000) / (1						Special Ir		Other [,]	L EDA		G Amchlor H Ascorbic Acid	D - Nitric Acid E NaHSO4	B - NaOH C Zn Acetate	Preservation Codes	Job #: 890-1384-1	Page ⁻ Page 7 of 7	890-454 7		sh caronno	e rofine
	Company	Company	Company			1 month) Months	atory does not currently ought to Eurofins Xenco LLC											Special Instructions/Note:			VV pH 4-5 Z - other (specify)	U Acetone V MCAA	S H2SO4 T TSP Dodecahvdrate	P Na2O4S Q Na2SO3	N None O AsNaO2	M Hayana				RINGINGA	Environment Testing	

Ver 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1384-1 SDG Number: Lea County NM

List Source: Eurofins Xenco, Carlsbad

Login Number: 1384 List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1384-1 SDG Number: Lea County NM

List Source: Eurofins Xenco, Midland

List Creation: 10/11/21 08:46 AM

Creator: Kramer, Jessica

Login Number: 1384

List Number: 2

<6mm (1/4").

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4/2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	



February 22, 2022

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO SECTION 23 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/21/22 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/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.

Celey D. Keine

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



Analytical Results For:

TETRA TECH
BRITTANY LONG

 $901~\mbox{WEST}$ WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 02/21/2022 Sampling Date: 02/21/2022

Reported: 02/22/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Tamara Oldaker

Project Location: EOG-LEA COUNTY, NM

Sample ID: HD - 1 (H220665-01)

QC RPD 3.35 3.58 4.42 4.02	Qualifier
3.58 4.42	
4.42	
4.02	
QC RPD	Qualifier
0.00	
	S-04
QC RPD	Qualifier
17.6	
0.868	;
_	

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 02/21/2022 Sampling Date: 02/21/2022 Reported: 02/22/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD - 02519 Sample Received By:

Project Location: EOG-LEA COUNTY, NM

Sample ID: HD - 2 (H220665-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2022	ND	2.25	113	2.00	3.35	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	3.58	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.42	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.12	119	6.00	4.02	GC-NC
Total BTEX	<0.300	0.300	02/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	129 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	02/22/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32.9	10.0	02/22/2022	ND	188	94.1	200	17.6	
DRO >C10-C28*	2100	10.0	02/22/2022	ND	187	93.4	200	0.868	
EXT DRO >C28-C36	707	10.0	02/22/2022	ND					
Surrogate: 1-Chlorooctane	97.3 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	160 %	6 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 02/21/2022 Sampling Date: 02/21/2022

Reported: 02/22/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD - 02519 Sample Received By:

Project Location: EOG-LEA COUNTY, NM

Sample ID: HD - 3 (H220665-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2022	ND	2.25	113	2.00	3.35	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	3.58	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.42	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.12	119	6.00	4.02	
Total BTEX	<0.300	0.300	02/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	02/22/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2022	ND	188	94.1	200	17.6	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	187	93.4	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					
Surrogate: 1-Chlorooctane	94.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.6	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

02/21/2022 Reported: 02/22/2022

Project Name: CABALLO SECTION 23 TANK BATTERY

ma/ka

Project Number: 212C - MD - 02519

Project Location: EOG-LEA COUNTY, NM Sampling Date: 02/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: HD - 4 (H220665-04)

Received:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2022	ND	2.25	113	2.00	3.35	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	3.58	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.42	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.12	119	6.00	4.02	
Total BTEX	<0.300	0.300	02/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	02/22/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2022	ND	188	94.1	200	17.6	
DRO >C10-C28*	836	10.0	02/22/2022	ND	187	93.4	200	0.868	
EXT DRO >C28-C36	435	10.0	02/22/2022	ND					
Surrogate: 1-Chlorooctane	81.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	141	% 59.5-14	2						

Applyzod By: 14

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Celey D. Keene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

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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Celeg D. Freene

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:	A.G. #1/3 Special Report Limits or TRRP Report	pple Temperature	ONLY REMARKS:				X	×	X	× ×	TF TF TC	PH TX11PH 8018 AH 8270 Atal Metal Metal CLP Metal CLP Semical Clark Semical Clark Semical Clark Semical Semica	21B) Solution (Color of the Color of the Co	BTEX to CogRO - E	24 0C/625	RO)	lg Gzi			(Circle or Specify Method No.)	ANALYSIS REQUEST		rage of



March 30, 2022

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO SECTION 23 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/25/22 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/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.

Celey D. Keine

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



Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 2 (0-1') (H221204-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	112 9	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 2 (1-1.5') (H221204-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	103 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	112 9	6 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed Ry: MS\

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 2 (2-2.5') (H221204-03)

ma/ka

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	110	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 2 (3-3.5') (H221204-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	102 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	112 9	6 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed Ry: MS\

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 2 (4-4.5') (H221204-05)

ma/ka

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 3 (0-1') (H221204-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	11.2	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	105 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 9	6 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed Ry: MS\

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 3 (1-1.5') (H221204-07)

ma/ka

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/30/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 3 (2-2.5') (H221204-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	111 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	118 9	6 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 3 (3-3.5') (H221204-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	108 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	117 9	6 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/30/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: COMPOSITE SSW - 3 (4-4.5') (H221204-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	103 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 %	6 59.5-14	2						

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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			Relinguished by:	Relinquished by:	Trans	Relinquished by:) ~ (1 0	60	5	40				(LAB USE)	LAB#	+021864		Comments.	Receiving	(county, state)	Project Location:	Project Name:		Client Name:
Sampler Signature: Brittany Long @letratech.com	V					Date:	iomposite SSW-3 (3-3.5')	Composite SSW-3 (2-2.5')	Composite SSW-3 (1-1.5')	Composite SSW-3 (0-1')	Composite SSW-2 (4-4.5')	Composite SSW-2 (3-3.5')	Composite SSW-2 (2-2.5')	Composite SSW-2 (1-1.5')	Composite SSW-2 (0-1')	T.	SAMPLE IDENTIFICATION							Caballo Section 23 TB	EOG Resources	Tetra Tech,
Brittany Long @tetratech.com	ORIGINAL	Received by:		Received by:	TO STATE	3/24/2022	3/24/2022	3/24/2022	3/24/2022	3/24/2022	3/24/2022	3/24/2022	3/24/2022	3/24/2022	3/24/2022	DATE	YEAR: 2020	SAM		Sampler Sig	,	Project #:			Site Manage	
# CONTAINERS # CONTAINERS FILTERED (Y/N) FILTERED (Y/N) Sample Temperature ONLY NO DELIVERED ONLY 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 TCLP Semi Volatiles	СОРУ				Cime of	×	×	×	×	×						WATER		Ц		nature:		212	Brittany.Long(Deiton		
FILTERED (Y/N)					O's	×	×	×	×	×	×	×	×	×	×	HNO₃ ICE						2C-MD-02519	<u>@tetratech.com</u>		ny Long	1W Wall Street, Ste 100 Midland,Texas 79705 Tel (432) 882-4559 Fax (432) 682-3946
HAND DELIVERED ONLY AB USE ONLY 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	ରି	2	1) 8		0401	×	×	×	×	× 1						FILTERE	D (Y	/N)								
TCLP Semi Volatiles		(00 '/	Temperature		LAB USE						\pm	\perp	\perp	\Box	× -	TPH TX1 TPH 8018 PAH 8276 Total Meta	005 (5M (DC als Ag	(Ext to (GRO - I	C35) DRO - OF	Se H	g		=	(Circ		
Tracking ## Track	FEDEX	Special Repo	Rush Chame		REMARKS: STAND										F	CLP Vola CLP Sen RCI GC/MS Vo GC/MS Se	atiles ni Vol l. 82 mi. V	latiles 260B / 6	24		9			le or Specify	ANALYSIS RI	
Anion/Cation Balance	Tracking #:	or TRRP F	d	24 hr 48)ARD	×	×	× >	< >	< >	< >	< >	< >	< >	< C	IORM LM (Asbe hloride hloride	stos) fate		attach	ed list			0	QUEST	

Released to Imaging: 6/29/2022 3:01:36 PM



March 31, 2022

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO SECTION 23 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/25/22 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/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.

Celey D. Keine

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



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/24/2022 Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition:

Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 1 (0-2') (H221205-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 9	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: SW - 2 (0-2') (H221205-02)

BTEX 8021B

DIEX GOZID	iiig/	, kg	Allulyzo	a by. 1-15 (
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	116	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 3 (0-2') (H221205-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	106	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	114 9	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Reported: 03/31/2022

Project Name: CABALLO SECTION 23 TANK BATTERY Project Number: 212C - MD - 02519

Project Location: EOG-LEA COUNTY, NM Sampling Date: 03/24/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (0-2') (H221205-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	100 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	106 9	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 5 (0-6') (H221205-05)

BTEX 8021B

	9,	9	7	7: : : • (
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
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	03/30/2022	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	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	98.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.9	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 6 (0-6') (H221205-06)

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	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/30/2022	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	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	109 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	102 9	6 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: SW - 7 (0-6') (H221205-07)

BTEX 8021B

DILX GOZID	11197 119		Analyzed by: 115 (
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/30/2022	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	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.2	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 212C - MD - 02519 Sample Received By:

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 8 (0-6') (H221205-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/30/2022	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	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	107	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: SW - 9 (0-6') (H221205-09)

BTEX 8021B

DIEX GOZID	mg/kg		Allulyzed by: 1-15 (
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	03/30/2022	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	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	99.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.2	% 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 10 (0-3.5') (H221205-10)

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	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
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	03/30/2022	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	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	97.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.9	% 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil CABALLO SECTION 23 TANK BATTERY

Fax To:

Project Name: Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 11 (0-3.5') (H221205-11)

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	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/30/2022	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	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	109 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	101 9	6 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 12 (0-3.5') (H221205-12)

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	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	101 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.2	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 13 (0-3.5') (H221205-13)

BTEX 8021B	mg,	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	22						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 14 (0-3.5') (H221205-14)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.4	% 59.5-14	22						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 15 (0-1.5') (H221205-15)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.3	% 59.5-14	22						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 16 (0-1.5') (H221205-16)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.3	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 17 (0-1.5') (H221205-17)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	1.96	97.9	2.00	11.0	
Toluene*	<0.050	0.050	03/30/2022	ND	1.94	96.9	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.93	96.6	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	5.97	99.4	6.00	10.9	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	98.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.0	% 59.5-14	22						

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Celey & Keens



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 18 (0-1.5') (H221205-18)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.11	105	2.00	4.22	
Toluene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	3.46	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	4.13	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.43	107	6.00	3.98	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.0	% 59.5-14	12						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 19 (0-1.5') (H221205-19)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.11	105	2.00	4.22	
Toluene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	3.46	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	4.13	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.43	107	6.00	3.98	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	106	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	12						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 26 (0-2') (H221205-20)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.11	105	2.00	4.22	
Toluene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	3.46	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	4.13	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.43	107	6.00	3.98	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	106	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	12						

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Celey D. Keine



Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Reported: 03/31/2022

Received:

BTEX 8021B

Project Name: CABALLO SECTION 23 TANK BATTERY

103 %

59.5-142

03/25/2022

Project Number: 212C - MD - 02519
Project Location: EOG-LEA COUNTY, NM

Sampling Date: 03/25/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 27 (0-2') (H221205-21)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	2.26	QR-03
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	104	2.00	2.91	QR-03
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.6	2.00	2.15	QR-03
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	106 9	% 66.9-13	6						

Analyzed By: MS

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Surrogate: 1-Chlorooctadecane



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 28 (0-5') (H221205-22)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	98.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.3	% 59.5-14	2						

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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

(1) 11

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 29 (0-5') (H221205-23)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	106	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 30 (0-5') (H221205-24)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	237	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	211	106	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	107	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	22						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 31 (0-5') (H221205-25)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 1 (2') (H221205-26)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.2	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 2 (2') (H221205-27)

BTEX 8021B

DIEX GOZID	11197	ng .	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	96.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.2	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 3 (2') (H221205-28)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	84.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.3	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/24/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 4 (2') (H221205-29)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.6	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 5 (6') (H221205-30)

RTFY 8021R

BIEX 8021B	mg	^и кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	20.4	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	690	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	121	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	109	% 59.5-14	2						

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S-04



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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 6 (6') (H221205-31)

RTFY 8021R

B1EX 8021B	mg	/ kg	Analyze	a By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	0.116	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	1.32	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	7.73	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	9.17	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	214	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	332	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	1820	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	289	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	131	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 7 (6') (H221205-32)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	1.08	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	4.94	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	24.7	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	30.7	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	297 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1730	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1020	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	4870	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	834	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	194 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	125 9	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 8 (6') (H221205-33)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	100	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.1	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 9 (6') (H221205-34)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	0.644	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	4.02	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	4.66	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	180 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	314	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	2080	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	410	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	135 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	108 9	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 10 (3.5') (H221205-35)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	95.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.8	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 11 (3.5') (H221205-36)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/30/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	103 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.8	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 12 (3.5') (H221205-37)

RTFY 8021R

B1EX 8021B	тд/кд		Anaiyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
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	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	110	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 13 (3.5') (H221205-38)

BTEX 8021B

DIEX 6021B	ilig	, kg	Allalyze	u by. M3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 14 (3.5') (H221205-39)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-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	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	111 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 15 (3.5') (H221205-40)

BTEX 8021B

DIEX 6021B	ilig	, kg	Allalyze	u by. M3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.08	104	2.00	2.26	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	104	2.00	2.91	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	2.15	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.17	103	6.00	2.43	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.3	% 59.5-14	2						

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03/25/2022

Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 03/25/2022 Sampling Date:

Reported: 03/31/2022 Sampling Type: Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 16 (3.5') (H221205-41)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.03	102	2.00	7.29	
Toluene*	<0.050	0.050	03/30/2022	ND	2.00	100	2.00	8.40	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	7.91	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.13	102	6.00	8.33	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
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	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	114	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	110	% 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 17 (1.5') (H221205-42)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.03	102	2.00	7.29	
Toluene*	<0.050	0.050	03/30/2022	ND	2.00	100	2.00	8.40	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	7.91	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.13	102	6.00	8.33	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	80.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.7	% 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 18 (1.5') (H221205-43)

BTEX 8021B	mg,	'kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.03	102	2.00	7.29	
Toluene*	<0.050	0.050	03/30/2022	ND	2.00	100	2.00	8.40	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	7.91	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.13	102	6.00	8.33	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	96.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.2	% 59.5-14	2						

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03/25/2022

Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 03/25/2022 Sampling Date:

Fax To:

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 19 (1.5') (H221205-44)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Andryzo	a by. 1-15 (
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.03	102	2.00	7.29	
Toluene*	<0.050	0.050	03/30/2022	ND	2.00	100	2.00	8.40	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	7.91	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.13	102	6.00	8.33	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-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	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	194	96.8	200	0.0331	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	209	104	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					
Surrogate: 1-Chlorooctane	98.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.4	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 22 (5') (H221205-45)

RTFY 8021R

B1EX 8021B	тд/кд		Anaiyze	Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.03	102	2.00	7.29	
Toluene*	<0.050	0.050	03/30/2022	ND	2.00	100	2.00	8.40	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	7.91	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.13	102	6.00	8.33	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
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	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	223	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	241	120	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	84.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.3	% 59.5-14	2						

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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: 03/25/2022 Sampling Date: 03/25/2022

Reported: 03/31/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 23 (5') (H221205-46)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.03	102	2.00	7.29	
Toluene*	<0.050	0.050	03/30/2022	ND	2.00	100	2.00	8.40	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	1.99	99.6	2.00	7.91	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.13	102	6.00	8.33	
Total BTEX	<0.300	0.300	03/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
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	03/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	223	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	241	120	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					
Surrogate: 1-Chlorooctane	89.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.8	% 59.5-14	2						

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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-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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Cabalio Section 23 TB	Caballo Section 23 TB			Relinquished by:		Kelinquished by:			Relinquished by:	801	9	× (c)	\ ~	6	N	5	· W	9:		(LABUSE)	LAB#	H221209		Commonto	Receiving Laboratory:	Invoice to:	(county, state)	Project I postion:	Project Name:	on the state of	Client Name:)
### Time:	Circle or Specify Method No.) Date: Time:									W-10 (0-3.5	W-9 (0-6')	W-8 (0-6')	W-7 (0-6')	W-6 (0-6")	W-5 (0-6")	SW-4 (0-2')	SW-3 (0-2")	SW-2 (0-2')	SW-1 (0-2')				XI			4				8		
Sampler Signature: Brittany Long@letratech.com	Ste Sampler Signature: Brittarry Long Stephanology Stephan					22.2			Date:	5")											SAMPLE IDENTIFICATION			Cardinal Laboratories	EOG Resources - Todd Wells		Lea County, New Mexico	Capallo Section 23 ID	Cahallo Section 23 TB	EOG Resources	Tetra Tech	
# CONTAINERS Filter Containers Containers Filter Containers Cont	Brittany Long @retratech com Pulso	•					1	1		2	ω	3	3	3	3	3	3	ω.	ω.		YE			· ·			Pr			Si	Inc.	•
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# CONTAINERS FILTERED (Y/N) X X X X X X X X X X X BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) X X X X X X X X X X X X 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	#CONTAINERS FILTERED (Y/N) FILTERED (Y/N) FILTERED (Y/N) X X X X X X X X X X X X BEXX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH TX1005 (Ext to C35) TPH TX1005 (Ext to C35) TOLEP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) X X X X X X X X X X X X X X X X X X X					0				< ;	×	×	×	×	×	×	×	×		SOIL	?	MATRIX					212C-I	ittany.Long@t		Brittany L	901W W Midla Tel (Fax	
# CONTAINERS FILTERED (Y/N) X X X X X X X X X X X BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) X X X X X X X X X X X X 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	# CONTAINERS # CONTAINERS FILTERED (Y/N) Filtered (Y/N)							Ilme:	×	< >	×	×	×	×	×	×	×	×	×	HNO₃ ICE		PRESERVATIVE METHOD					MD-02519	etratech.com		ong	Vall Street, Ste 100 ind,Texas 78705 (432) 682-4559 (432) 682-3946	
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	TPH TX1005 (Ext to C35) TOLP Sen By Sen By 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) X X X X X X X X X X X X X X X Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance					14 800													\dashv			RS		4								
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GC/MS Semi. Vol. 8270C/625 S REQUEST	PCB's 8082 / 608 NORM PLM (Asbestos) X X X X X X X X X X X Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance	Specia				X RUSH		REMARKS:											-	TCLP Met TCLP Vola TCLP Sen	als A atiles ni Vo	g As Ba	Cd Cr F					=	le or S	ANALYS		
	Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance	Keport Limits of		Charges Authorize		Same Day	IANDARD		×	×			× ,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	× ,	× ,			F	GC/MS Se PCB's 808 NORM PLM (Asbe	emi. \ 82 / 6	ol. 827 08						— `	₹			

Caballo Section 23 TB	Cardinal Laboratories	Companies Control Co	Carballo Section 23 TB	romiquisited by.	Pelinguished by	Relinquished by:	Cond			5.5	SALES BLOCK	929 28 34		1000	73	Ø		(LAB USE)	LAB#	Haalaos		Comments:	Receiving Laboratory:	(county, state)	Project I ocation	Project Name:	Client Name:
## Date: Time:	# CONTAINERS Filtrend (Y/N) Filtrend	# CONTAINERS Fill (423) 882-3946 Fill (4	# CONTAINERS Filter CRO Filter				122 16	Date:	SVV-19 (0-1:3)	SW1 10 (0-1-3)	SW-17 (0-1.5')	SW-16 (0-1.5')	SW-15 (0-1.5')	SW-14 (0-3.5")	SW-13 (0-3.5')	SW-12 (0-3.5')	SW-11 (0-3.5')		SAMPLE IDENTIFICATION							EOG Resources	Tech,
Brittany Long@tetratech.com 212C-MD-02519 PRESERVATIVE WATER WATRIX WATER VAX X X X X X X X X X X X X X X X X X	Brittany Long @tetratech.com	# CONTAINERS Date: Time: Brittany Long@tetratech.com	Received by:		Received by:	3	3/25/2022	3/25/2022	3/25/2022	3/25/2022	3/25/2022	3/25/2022	3/25/2022	3/25/2022	3/25/2022	3/25/2022		YEAR: 2020	SAMPLING		odimpier oignature		Project #:			Site Manager.	
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	TPH TX1005 (Ext to C35) NEW YORK YORK YORK YORK YORK YORK YORK YORK	TPH TX1005 (Ext to C35) TPH TX1005 (Ext to C35)	TPH TX1005 (Ext to C35) TPH TX1005 (Ext to C35)		C) S	# OLD		×	×	×	×	×	×	×	×	×		FILTERE) (Y	N)	< 8260B						

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	11114,	Date: Time:		Date: Time:	Mh 5/25/22 16	Date: Time:	BH-5 (6')	BH-4 (2')	BH-3 (2')	BH-2 (2')	BH-1 (2')	SW-31 (0-5')	SW-30 (0-5')	SW-29 (0-5')	SW-28 (0-5')	SW-27 (0-2')			SAMPLE IDENTIFICATION			Cardinal Laboratories	EOG Resources - Todd Wells	Lea County, New Mexico	Caballo Section 23 TB	EOG Resources	Tetra Tech, Inc.
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	Date: Time:	ı	Uate: Time:		CM11111 325-22	Date: Time:	×	×	×	×	×	×	×	×	×	×	WA SO HC HN ICE Nor	L O ₃	2	MATRIX PRESERVATIVE METHOD		*		212C-MD-02519	Brittany.Long@tetratech.com	Brittany Long	901W Wall Street, Ste 100 Midland, Texas 79705 Tel (422) 852-4559 Fax (432) 682-3946
(Circle) HAND DELIVERED FEDEX UPS	4.6°C Special R	Rush Cha	Sample Temperature	#iス	1640 "ONLY STA	_ }					×					×	FILT BTE TPH TPH Total TCLF TCLF RCI GC/M	801 827 I Met P Me P Vol P Ser	ED (Y 221B 005 6 00C 00C 00C 00C 00C 00C 00C 00C 00C 00	BTE (Ext to GRO - g As B Ag As E statiles	DRO - O	b Se F	lg		_ 5	ANALYSIS	
S Tracking #:	Special Report Limits or TRRP Report	Rush Charges Authorized	Same Day 24 hr 48 Hr 72 hr		STANDARD		×	×	×	×	×	×	×	×	×	×	PCB' NOR PLM Chlor Chlor Gene	M (Asb ride ride eral V	estos Su Vater	608 6) Ifate	TDS	e attac	hed list	t)	y mediod No.)	EQUEST	Page3 of

Page 51 of 53

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Cardinal Laboratories			Relinquished by:		Relinquished by:	Cuy	1	Relinguished by:	40 BH	327 B	\sim	Addison to	N. Santa		12 A	33 B	33 B		(LABUSE)	LAB#	Haavaos		Company	Receiving Laboratory	(county, state)	Project I continue	Project Name:	Client Name:	4
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	Date: Time:	Date: Time:	1 1 1		Date: Time:			5)	5")	1.5')	1.5')	1.5')	3.5")		SAMPLE IDENTIFICATION			Cardinal Laboratories	EOG Resources - Todd Wells	Lea County, New Mexico		Caballo Section 23 TB	EOG Resources	Tetra Tech, Inc.
J.	Dooring	Received by:	DE LES	Societa by	Donoited			3/25/2022	3/25/2022	3/25/2022	3/25/2022	3/25/2022	3/25/2022	DATE	YEAR: 2020	SAMPLING		Sampler Signature:		Project #:		Br	Site Manager:	
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						1	+	+	+	+	+	+	Н	old							_			



April 06, 2022

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO SECTION 23 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/04/22 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/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)

Celey D. Keine

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



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 24 (2') (H221333-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.05	102	2.00	3.79	
Toluene*	<0.050	0.050	04/05/2022	ND	1.98	98.9	2.00	8.63	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.96	97.8	2.00	6.19	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	5.73	95.6	6.00	6.51	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	189	94.4	200	5.51	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	179	89.7	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	88.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	90.5	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of 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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: BH - 25 (2') (H221333-02)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	189	94.4	200	5.51	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	179	89.7	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	82.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	84.3	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: BH - 26 (2') (H221333-03)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	91.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.7	% 59.5-14	2						

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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

mg/kg

04/04/2022 Sampling Date: 04/04/2022 Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 27 (2') (H221333-04)

Received:

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	92.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	100	% 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

 Received:
 04/04/2022
 Sampling Date:
 04/04/2022

 Reported:
 04/06/2022
 Sampling Type:
 Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 28 (2') (H221333-05)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	106	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 29 (2') (H221333-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	98.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107	% 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 04/04/2022 Sampling Date: 04/04/2022 Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition:

Fax To:

** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 30 (2') (H221333-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 31 (5') (H221333-08)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	62.2	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	28.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	98.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 9	6 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 32 (2') (H221333-09)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	97.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 33 (2') (H221333-10)

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	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	89.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.2 9	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 34 (2') (H221333-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
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	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	95.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	2						

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04/04/2022

Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 04/04/2022 Sampling Date:

Reported: 04/06/2022 Sampling Type: Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 35 (2') (H221333-12)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	97.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

 Received:
 04/04/2022
 Sampling Date:
 04/04/2022

 Reported:
 04/06/2022
 Sampling Type:
 Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: BH - 36 (2') (H221333-13)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	94.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102 9	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 37 (2') (H221333-14)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	99.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 38 (5') (H221333-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	87.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.3	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 28 (0-5') (H221333-16)

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	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	96.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104 9	% 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 04/04/2022 Sampling Date: 04/04/2022

Fax To:

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 32 (0-2') (H221333-17)

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	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	92.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.7	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 33 (0-2') (H221333-18)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	94.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103 9	6 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 34 (0-2') (H221333-19)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	108	% 59.5-14	22						

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Celey D. Kreine



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 35 (0-2') (H221333-20)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/05/2022	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	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	96.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101 9	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 36 (0-2') (H221333-21)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.08	104	2.00	0.334	
Toluene*	<0.050	0.050	04/05/2022	ND	2.04	102	2.00	0.963	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.94	97.1	2.00	0.150	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.02	100	6.00	0.296	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
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	04/05/2022	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	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	96.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104 9	6 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil
Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Fax To:

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 37 (0-2') (H221333-22)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/05/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	< 0.050	0.050	04/05/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/05/2022	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	04/05/2022	ND	190	95.2	200	0.392	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	208	104	200	0.434	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	92.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.5	% 59.5-14	22						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 38 (0-2') (H221333-23)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/05/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/05/2022	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	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	87.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.9	% 59.5-14	22						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 39 (0-2') (H221333-24)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/05/2022	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	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	94.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.0	% 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition:

Fax To:

** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 40 (0-2') (H221333-25)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	91.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.0	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 41 (0-2') (H221333-26)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/05/2022	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	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	94.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	100 9	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 42 (0-2') (H221333-27)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/05/2022	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	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	89.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.6	% 59.5-14	22						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

 Received:
 04/04/2022
 Sampling Date:
 04/04/2022

 Reported:
 04/06/2022
 Sampling Type:
 Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 43 (0-2') (H221333-28)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	04/05/2022	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	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	88.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.1	% 59.5-14	22						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

 Received:
 04/04/2022
 Sampling Date:
 04/04/2022

 Reported:
 04/06/2022
 Sampling Type:
 Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 44 (0-2') (H221333-29)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
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	04/05/2022	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	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	91.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.3	% 59.5-14	22						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 45 (0-2') (H221333-30)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	< 0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/05/2022	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	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	92.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.4	% 59.5-14	22						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 46 (0-2') (H221333-31)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	86.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.5	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 47 (0-2') (H221333-32)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PI	D 101	% 69.9-14	10						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	85.3	% 66.9-13	36						
Surrogate: 1-Chlorooctadecane	91.6	% 59.5-14	12						
Surrogate: 1-Chlorooctadecane	91.6	% 59.5-14	12						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

04/04/2022 Sampling Date: 04/04/2022 Reported: 04/06/2022 Sampling Type: Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 48 (0-2') (H221333-33)

Received:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	79.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	84.4	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 49 (0-2') (H221333-34)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	79.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.7 9	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 50 (0-2') (H221333-35)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	89.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.3	% 59.5-14	22						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 51 (0-2') (H221333-36)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	10						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	83.9	% 66.9-13	16						
Surrogate: 1-Chlorooctadecane	88.9	% 59.5-14	12						

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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:
 04/04/2022
 Sampling Date:
 04/04/2022

 Reported:
 04/06/2022
 Sampling Type:
 Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 52 (0-2') (H221333-37)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	90.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.4	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 53 (0-2') (H221333-38)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	94.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.8	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 54 (0-5') (H221333-39)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	< 0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	89.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.9	% 59.5-14	22						

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04/04/2022

Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Sampling Date:

Fax To: (432) 682-3946

04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 55 (0-5') (H221333-40)

Received:

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	< 0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	82.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.6	% 59.5-14	22						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

 Received:
 04/04/2022
 Sampling Date:
 04/04/2022

 Reported:
 04/06/2022
 Sampling Type:
 Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 56 (0-5') (H221333-41)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2022	ND	2.13	107	2.00	0.747	
Toluene*	<0.050	0.050	04/06/2022	ND	2.10	105	2.00	0.424	
Ethylbenzene*	<0.050	0.050	04/06/2022	ND	1.99	99.6	2.00	0.962	
Total Xylenes*	<0.150	0.150	04/06/2022	ND	6.20	103	6.00	1.77	
Total BTEX	<0.300	0.300	04/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	88.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.9	% 59.5-14	2						

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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: 04/04/2022 Sampling Date: 04/04/2022

Reported: 04/06/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 57 (0-5') (H221333-42)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.18	109	2.00	6.87	
Toluene*	<0.050	0.050	04/05/2022	ND	2.15	108	2.00	6.39	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	2.12	106	2.00	6.10	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.51	108	6.00	5.76	
Total BTEX	<0.300	0.300	04/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	3.32	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	183	91.4	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					
Surrogate: 1-Chlorooctane	93.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.8	% 59.5-14	22						

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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.

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

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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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1 (8)	Date: Time:		Date: Time:	16/0 16/0												Opinit LE DENTI NOTATION	SAMPLE IDENTIFICATION			Cardinal Laboratories	EOG Resources - Todd Wells	Lea County, New Mexico	Caballo Section 23 TB	EOG Resources	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
	Received by:		Received by:		4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022		DATE	YEAR: 2020	SAMPLING			Sampler Signature:	Project #:		Site Manager:	•	
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				01911	-	+		+	+							# CONT	ED (Y/N)		6	J					
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FEDEX UPS	Special Report L	Rush Charges Authorized	X KUSH. Salle Day		REMARKS:											TCLP SI RCI GC/MS GC/MS PCB's SI NORM	Vol. Sem	8260 ni. Vol.		625				or Specify Method		
Tracking #:	Special Report Limits or TRRP Report	uthorized	70 111 72	200		×	×	×	××	× >	< >	< >	× >	×	×	PLM (A: Chloride Chloride General Anion/C	e e al Wa	Sulfat	nemistry		attached	d list)		ST hod No.)		Page1 c
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Date: Time:		Date: Time:		SW-33 (0-z) Date: Time:	V 35 (0-2")	SW-34 (0-2')	SW-33 (0-2')	SW-32 (0-2')	SW-28 (0-5')	BH-38 (5')	BH-37 (2')	BH-36 (2')	BH-35 (2')	BH-34 (2')		SAMPLE IDENTIFICATION	PAND E DENTIERATION			Cardinal Laboratories		EOG Resources - Todd Wells	Lea County, New Mexico	Caballo Section 23 TB	EOG Resources	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
Received by:		Received by:	BRODICIO	Received by:	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022	4/4/2022		OATE	YEAR: 2020	SAMPLING			Sampier Signature.		Project #:	Br	Site Manager:		
		6	igner		×	×	×	×	×	×	×	×	×	>	< 3	WATER SOIL		MATRIX			The		212C-MD-02519	Brittany.Long@tetratech.com	Brittany Long	901W Wall S Midland,T. Tel (432) Fax (432)	
Date: Time:		Bate: Time:	4-4-32	Date: Time:	×	×	×	×	×	×	×	×	×	< >	<	HNO ₃ CE None		METHOD			Shop		D-02519	ratech.com	ŋ	901W Wall Street, Ste 100 Midland, Texas 79705 Tel (432) 682-459 Fax (432) 682-3946	
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Page 46 of 49

Caballo Section 23 TB EDG Resources Site Manager Site than y Long (Section 25 TB Eas County, New Mexico Sampler Signature: 212C-MD-02519	Site Manager: Brittany Long@tetratech.com	Site Manager: Brittany Long @let/falech.com	Site Manager: Brittany Long Brittany Long	Circle or Specify Brittany Long@letratech.com Sampler Signature Site Manager: Brittany Long@letratech.com Sampler Signature Sampler	Relinquished by:	Relinquished by:	The	Relinquished by:	30	S.				3; 3;	100	22	23	2	(ONLY)	/ LABUSE /	FIOOLOGIA	4991222	Comments.	Vecelvillà rapolatori.	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	급
Brittany Long@tetratech.com 212C-MD-02519 Brittany Long@tetratech.com 212C-MD-02519 PRESERVATIVE MATRIX PRESERVATIVE METHOD NO NO NO NO NO NO NO NO NO	Brittany.Long@tetratech.com 212C-MD-02519 212C-MD	### Brittany Long @tetralech.com Brittany Long @tetralech.com	Brittany Long@letratech.com	### Date: Time: Mature: Brittany Long@letratech.com	Date:	Date:	10h TITICC Time:	Date: lime:		SW-44 (0-2")	SW-43 (0-2')	SW-42 (0-2")	SW-41 (0-2')	SW-40 (0-2")	SW-39 (0-2')	SW-38 (0-2")	SW-37 (0-2')	SW-36 (0-2')									Caballo Section 23 TB	EOG Resources	Tetra Tech, Inc.
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	Date: Time:	Date: Time:	Date: Time: 16/10			OMA-OT (O.O.)	SW-50 (0-5)	S (0-5")		SAMPLE IDENTIFICATION			Cardinal Laboratories	EOG Resources - Todd Wells	Lea County, New Mexico	Caballo Section 23 TB	EOG Resources	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
ORIGINAL COPY	Received by: Date: Time:	Received by:	Received by: Date: 1-4-3-				×	2022	DATE TIME WATE SOIL HCL HNO ₃ ICE None # CON	NTAINE		ζ.	Sampler Signature:		Project #: 212C-MD-02519	Brittany_Long@tetratech.com	Site Manager: Brittany Long	901W Wall Street, Ste 100 Midland,Texas 79705 Tel (432) 882-4559 Fax (432) 882-3946	
(Circle) HAND DELIVERED FEDEX UPS Tracking #:	Special Repor	Rush C	ONLY STANDARD NEMAKRAS: STANDARD NRUSH: Same Day 24 hr 48 hr 72 hr				×	×	BTEX TPH T TPH 8 PAH 8 TOTAL N TCLP TCLP TCLP GC/M: GC/M: PCB'S NORM PLM (Chlori Chlori Gene	8021E TX10055 3015M Metals Wetals Semi V S Vol. S Semi S 8082 M (Asbes ide ide eral Wa	3 BT GROWN G	Ba Cd C Ba Cd Cd C Ba Cd Cd C Ba Cd Cd C Ba Cd Cd C Ba Cd Cd C Ba Cd Cd C Ba Cd Cd C Ba Cd Cd Cd C Ba Cd Cd Cd C Ba Cd Cd Cd C Ba Cd Cd Cd C Ba Cd Cd Cd Cd Cd C Ba Cd Cd Cd Cd Cd Cd Cd Cd Cd Cd Cd Cd Cd	- ORO Cr Pb S Cr Pb S	e Hg Se Hg			ANALYSIS REQUEST (Circle or Specify Method No.)		Page 5 of 5



April 08, 2022

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO SECTION 23 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/06/22 8:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/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)

Celey D. Keine

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



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 6 (8') (H221364-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2022	ND	2.18	109	2.00	0.956	
Toluene*	<0.050	0.050	04/07/2022	ND	2.16	108	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.14	107	2.00	0.934	
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	04/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	90.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.4	% 59.5-14	2						

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Celeg D. Keine

C-04



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 7 (8') (H221364-02)

RTFY 8021R

B1EX 8021B	mg	/ kg	Analyze	a By: MS\					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2022	ND	2.18	109	2.00	0.956	
Toluene*	0.971	0.050	04/07/2022	ND	2.16	108	2.00	0.959	
Ethylbenzene*	4.37	0.050	04/07/2022	ND	2.14	107	2.00	0.934	
Total Xylenes*	20.3	0.150	04/07/2022	ND	6.62	110	6.00	1.45	
Total BTEX	25.6	0.300	04/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	338	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	375	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	1700	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	257	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	146	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	128	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 04/06/2022 Sampling Date: 04/05/2022

Fax To:

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 9 (8') (H221364-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2022	ND	2.18	109	2.00	0.956	
Toluene*	<0.050	0.050	04/07/2022	ND	2.16	108	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.14	107	2.00	0.934	
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	04/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	97.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103 9	6 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 20 (2') (H221364-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2022	ND	2.18	109	2.00	0.956	
Toluene*	<0.050	0.050	04/07/2022	ND	2.16	108	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.14	107	2.00	0.934	
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	04/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	99.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	106 9	6 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 21 (2') (H221364-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2022	ND	2.18	109	2.00	0.956	
Toluene*	<0.050	0.050	04/07/2022	ND	2.16	108	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.14	107	2.00	0.934	
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	04/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	112	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 9 (0-8') (H221364-06)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2022	ND	2.18	109	2.00	0.956	
Toluene*	<0.050	0.050	04/07/2022	ND	2.16	108	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.14	107	2.00	0.934	
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	04/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	95.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	22						

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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: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 20 (0-2') (H221364-07)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.18	109	2.00	0.956	
Toluene*	<0.050	0.050	04/08/2022	ND	2.16	108	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.14	107	2.00	0.934	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	97.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	22						

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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: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 21 (0-2') (H221364-08)

Analyte Result Reporting Limit Analyzed Method Blank BS 9 Benzene* <0.050 0.050 04/08/2022 ND 2.18 Toluene* <0.050 0.050 04/08/2022 ND 2.16 Ethylbenzene* <0.050 0.050 04/08/2022 ND 2.14	% Recovery 109 108 107	True Value QC 2.00 2.00	RPD 0.956 0.959	Qualifier
Toluene* <0.050 0.050 04/08/2022 ND 2.16	108	2.00		
· ·			0.959	
Ethylbenzene* <0.050 0.050 04/08/2022 ND 2.14	107		0.555	
		2.00	0.934	
Total Xylenes* <0.150 0.150 04/08/2022 ND 6.62	110	6.00	1.45	
Total BTEX <0.300 0.300 04/08/2022 ND				
Surrogate: 4-Bromofluorobenzene (PID 105 % 69.9-140				
Chloride, SM4500Cl-B mg/kg Analyzed By: AC				
Analyte Result Reporting Limit Analyzed Method Blank BS 9	% Recovery	True Value QC	RPD	Qualifier
Chloride <16.0 16.0 04/07/2022 ND 432	108	400	0.00	
TPH 8015M mg/kg Analyzed By: MS				
Analyte Result Reporting Limit Analyzed Method Blank BS 9	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10* <10.0 10.0 04/07/2022 ND 244	122	200	24.0	
DRO >C10-C28* <10.0 10.0 04/07/2022 ND 232	116	200	22.4	
EXT DRO >C28-C36 <10.0 10.0 04/07/2022 ND				
Surrogate: 1-Chlorooctane 99.5 % 66.9-136				
Surrogate: 1-Chlorooctadecane 107 % 59.5-142				

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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: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 22 (0-2') (H221364-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.18	109	2.00	0.956	
Toluene*	<0.050	0.050	04/08/2022	ND	2.16	108	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.14	107	2.00	0.934	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	106 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 %	6 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 23 (0-2') (H221364-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.18	109	2.00	0.956	
Toluene*	<0.050	0.050	04/08/2022	ND	2.16	108	2.00	0.959	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.14	107	2.00	0.934	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	97.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104 9	6 59.5-14	2						

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04/05/2022

Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 04/06/2022 Sampling Date:

Fax To:

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02519 Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 24 (0-2') (H221364-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	101 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	108 9	6 59.5-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Fax To:

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 25 (0-2') (H221364-12)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	94.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.7	% 59.5-14	22						

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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: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 58 (0-8') (H221364-13)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	< 0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	93.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.8	% 59.5-14	22						

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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: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 59 (0-8') (H221364-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	91.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.4	% 59.5-14	2						

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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: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 60 (0-8') (H221364-15)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111	% 59.5-14	22						

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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: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 61 (0-8') (H221364-16)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	97.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105	% 59.5-14	22						

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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: 04/06/2022 Sampling Date: 04/05/2022

Reported: 04/08/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 62 (0-8') (H221364-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTEX	<0.300	0.300	04/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/07/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/07/2022	ND	244	122	200	24.0	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	232	116	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					
Surrogate: 1-Chlorooctane	93.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.2	% 59.5-14	2						

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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.

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 Page			The second second	Relinquished by:		Relinquished by:	Kind Mu	relinquisned by:	10 SW-23 (0-2")	9 SW-22 (0-2")	SW-21 (0-2')	7 SW-20 (0-2")	W-9 (0-8")	5 BH-21 (2")	4 BH-20 (2")	3 BH-9 (8")	A BH-7 (8")		(LAB USE)	LAB#	H201364		Comments	Receiving Laboratory:	Invoice to:	Project Location:	, and the state of	Project Name	Client Name:	Allalysis Request
### PRESERVATIVE WATER WA				ı			0 22191		2")	2')	2")	2")	")							SAMPLE IDENTIFICATION			Cardinal Laboratories	EOG Resources - Todd Wells	Lea County, New Mexico	Pa County Now Marie	Caballo Section 23 TB	EOG Resources	Tetra Tech, Inc.	Cually as Request of Chain of Custody Record
# CONTAINERS FILTERED (Y/N) FILTERED (Y/N) X X X X X X X X X X X BEEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) X X X X X X X X X X X TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Welatiles TCLP Volatiles	ORIGINAL COPY		Received by:		Neceived by:	Received hv:	A PRIM	Received by:	4/5/2022	4/5/2022	4/5/2022	4/5/2022	4/5/2022	4/5/2022	4/5/2022	4/5/2022	4/5/2022			YEAR: 2020	SAMPLING		Sampler Signature:				Br	Site Manager:		
# CONTAINERS #ILTERED (Y/N) FILTERED (Y/N) FILTERED (Y/N) Sample Temperature ONLY 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 Volatiles		¥					_	Date:										×	HCL HNO ₃			4	Kand M		212C-MD-02519		ittany.Long@tetratech.com	Brittany Long	901W Wall Street, Ste 100 Midland,Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles	e)	1 1		7	Sample To			L		I	1	$^{\pm}$				İ	İ	F B	TEX 802 PH TX10	NEF) (Y/ 1B 05 (E	RS N) BTEX Ext to C	35)	P					. 1		
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General Water Chemistry (see attached list)	UPS Tracking #:	ial Report Limits or TRRP	Charges Authorized	2	Same Day		TANDARD		×	×	×	×	×	×	×	×	×	PC NC PL Ch	C/MS Sen CB's 8082 DRM M (Asbes lloride	ni. Vo 2 / 60 tos)	ol. 8270 08 ate T	DC/625					Ý			Page

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		Date: Time:	Date. IIIIe.	22,	Date: Time				-8")	-8')	-8')	1-8"))-8"))-2")	3-2")	7:	SAMPLE IDENTIFICATION			Cardinal Laboratories	EOG Resources - Todd Wells	Lea County, New Mexico		Caballo Section 23 TB	EOG Resources	retra rech, Inc.	To A Record
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April 12, 2022

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO SECTION 23 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/08/22 15:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/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)

Celey D. Keine

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



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

 Received:
 04/08/2022
 Sampling Date:
 04/08/2022

 Reported:
 04/12/2022
 Sampling Type:
 Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: EOG-LEA COUNTY, NM

mg/kg

Sample ID: BH - 24 (3') (H221454-01)

BTEX 8021B

BIEX GOEED	9/	119	Anaryzo	a 5 y . 1 . 5 \					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	88.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.6	% 59.5-14	2						

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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: 04/08/2022 Sampling Date: 04/08/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 25 (3') (H221454-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	90.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.2	% 59.5-14	12						

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Celey D. Keine



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/08/2022 Sampling Date: 04/08/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 212C - MD - 02519

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 26 (3') (H221454-03)

BTEX 8021B	mg	'kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	93.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.3	% 59.5-14	2						

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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: 04/08/2022 Sampling Date: 04/08/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 27 (3') (H221454-04)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	92.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.4	% 59.5-14	2						

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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: 04/08/2022 Sampling Date: 04/08/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 28 (3') (H221454-05)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	< 0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	88.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.5	% 59.5-14	12						

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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: 04/08/2022 Sampling Date: 04/06/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 38 (5') (H221454-06)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	95.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.7	% 59.5-14	22						

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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: 04/08/2022 Sampling Date: 04/08/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 33 (0-3') (H221454-07)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	< 0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	90.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	90.0	% 59.5-14	22						

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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: 04/08/2022 Sampling Date: 04/08/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 43 (0-3') (H221454-08)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	11.2	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	15.4	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	88.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.4	% 59.5-14	2						

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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: 04/08/2022 Sampling Date: 04/06/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 63 (0-5') (H221454-09)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	0.157	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	0.055	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	86.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.1	% 59.5-14	2						

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Analytical Results For:

Fax To:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

04/08/2022 Reported: 04/12/2022

Received:

Project Name: CABALLO SECTION 23 TANK BATTERY

Project Number: 212C - MD - 02519 Project Location: EOG-LEA COUNTY, NM Sampling Date: 04/06/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: SW - 64 (0-5') (H221454-10)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	< 0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	93.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.9	% 59.5-14	22						

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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: 04/08/2022 Sampling Date: 04/06/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 65 (0-5') (H221454-11)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	89.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.6	% 59.5-14	12						

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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: 04/08/2022 Sampling Date: 04/06/2022

Reported: 04/12/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 66 (0-5') (H221454-12)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	7.70	
Toluene*	<0.050	0.050	04/11/2022	ND	2.11	106	2.00	7.71	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	8.03	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.43	107	6.00	7.16	
Total BTEX	<0.300	0.300	04/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/11/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	192	95.8	200	5.59	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	202	101	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					
Surrogate: 1-Chlorooctane	92.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.6	% 59.5-14	22						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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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Celeg D. Freene

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ORIGINAL COPY	received by:		Received by:	Bladio	Received by:	4/6/2022	4/6/2022	4/8/2022	4/8/2022	4/6/2022	4/8/2022	4/8/2022	4/8/2022	4/8/2022	4/8/2022	DATE	YEAR: 2020	SAMPLING		sampler signature:		Project #:		one manager.	Sib Manager	
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	Date: Time:		Date: Time:					00 (00)	SW-65 (0-5")		SAMPLE IDENTIFICATION			Cardinal Laboratories	EOG Resources - Todd Wells	Lea County, New Mexico	Caballo Section 23 TB	EOG Resources	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
OBIGINAL COBY	Received by:	Received by:	Received hv:					4/6/2022	4/6/2022	DATE	YEAR: 2020	SAMPLING		Sampler Signature:		Project #:	B	Site Manager:		
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April 18, 2022

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: CABALLO SECTION 23 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/14/22 14:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/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)

Celey D. Keine

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



Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/14/2022 Sampling Date: 04/14/2022 Reported: 04/18/2022 Soil

Sampling Type: CABALLO SECTION 23 TANK BATTERY

Project Name: Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: BH - 7 (9') (H221571-01)

BTEX 8021B	mg,	'kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2022	ND	2.07	103	2.00	1.01	
Toluene*	<0.050	0.050	04/15/2022	ND	2.07	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	04/15/2022	ND	2.04	102	2.00	0.865	
Total Xylenes*	<0.150	0.150	04/15/2022	ND	6.29	105	6.00	1.68	
Total BTEX	<0.300	0.300	04/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/18/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2022	ND	218	109	200	2.60	
DRO >C10-C28*	<10.0	10.0	04/15/2022	ND	220	110	200	0.595	
EXT DRO >C28-C36	<10.0	10.0	04/15/2022	ND					
Surrogate: 1-Chlorooctane	111 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119	% 59.5-14	2						

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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: 04/14/2022 Sampling Date: 04/14/2022

Reported: 04/18/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 67 (0-9') (H221571-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2022	ND	2.07	103	2.00	1.01	
Toluene*	<0.050	0.050	04/15/2022	ND	2.07	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	04/15/2022	ND	2.04	102	2.00	0.865	
Total Xylenes*	<0.150	0.150	04/15/2022	ND	6.29	105	6.00	1.68	
Total BTEX	<0.300	0.300	04/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/18/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2022	ND	218	109	200	2.60	
DRO >C10-C28*	<10.0	10.0	04/15/2022	ND	220	110	200	0.595	
EXT DRO >C28-C36	<10.0	10.0	04/15/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	116	% 59.5-14	22						

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Celeg D. Freene



Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STRE

 $901~\mbox{WEST}$ WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/14/2022 Sampling Date: 04/14/2022

Reported: 04/18/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Analyzed By: MC\

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 68 (0-9') (H221571-03)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2022	ND	2.07	103	2.00	1.01	
Toluene*	<0.050	0.050	04/15/2022	ND	2.07	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	04/15/2022	ND	2.04	102	2.00	0.865	
Total Xylenes*	<0.150	0.150	04/15/2022	ND	6.29	105	6.00	1.68	
Total BTEX	<0.300	0.300	04/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/18/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2022	ND	218	109	200	2.60	
DRO >C10-C28*	<10.0	10.0	04/15/2022	ND	220	110	200	0.595	
EXT DRO >C28-C36	<10.0	10.0	04/15/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	109	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 04/14/2022 Sampling Date: 04/14/2022

Reported: 04/18/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 69 (0-9') (H221571-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2022	ND	2.07	103	2.00	1.01	
Toluene*	<0.050	0.050	04/15/2022	ND	2.07	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	04/15/2022	ND	2.04	102	2.00	0.865	
Total Xylenes*	<0.150	0.150	04/15/2022	ND	6.29	105	6.00	1.68	
Total BTEX	<0.300	0.300	04/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/18/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2022	ND	218	109	200	2.60	
DRO >C10-C28*	<10.0	10.0	04/15/2022	ND	220	110	200	0.595	
EXT DRO >C28-C36	<10.0	10.0	04/15/2022	ND					
Surrogate: 1-Chlorooctane	110	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/14/2022 Sampling Date: 04/14/2022

Reported: 04/18/2022 Sampling Type: Soil

Project Name: CABALLO SECTION 23 TANK BATTERY Sampling Condition: ** (See Notes) Project Number: 212C - MD - 02519 Sample Received By: Shalyn Rodriguez

Project Location: EOG-LEA COUNTY, NM

Sample ID: SW - 70 (0-9') (H221571-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2022	ND	2.07	103	2.00	1.01	
Toluene*	<0.050	0.050	04/15/2022	ND	2.07	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	04/15/2022	ND	2.04	102	2.00	0.865	
Total Xylenes*	<0.150	0.150	04/15/2022	ND	6.29	105	6.00	1.68	
Total BTEX	<0.300	0.300	04/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/18/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d 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	04/15/2022	ND	218	109	200	2.60	
DRO >C10-C28*	<10.0	10.0	04/15/2022	ND	220	110	200	0.595	
EXT DRO >C28-C36	<10.0	10.0	04/15/2022	ND					
Surrogate: 1-Chlorooctane	157 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	225 %	6 59.5-14	2						

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Celey D. Keene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

### Tetra Tech, Inc. Sumpler Signature: Brittany Long Circle or Sp.	Circle or S Stee Manager: Brittany Long@leifralech.com	Relinquished by:	Relinquished by:	Relinquished by:			Ŋ	4	w	25	-	ONLY	LAB#	Mad 11		Comments:		Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	႕
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Circle	Containers	Received by:	Received by:	Received by:		1	4/14/2022	4/14/2022	4/14/2022	4/14/2022	4/14/2022	T		YEAR: 2020	SAMPLING			Sampler Signature:		Project #:		Site Manager:	
# CONTAINERS # CONTAINERS FILTERED (Y/N) X X X X X BTEX 8021B BTEX 8260B	# CONTAINERS # CONTAINERS FILTERED (Y/N) X X X X BTEX 8260B			On I W 4-14-99				-				H H K	CL NO ₃	2			100	1 Mar	111	212C-MD-02519	ong@tetratech.com	Brittany Long	901W Wall Street, Sie 100 Midland,Texes 79705 Tel (432) 682-4559 Fax (432) 682-3946
TCLP Volatiles TCLP Semi Volatiles PCL TCLP Semi Volatiles	TCLP Volatiles TCLP Semi Volatiles PCL TCLP Semi Volatiles		Sample To	IHSA								F X B	TEX PH T	RED (18021E X1005 015M	Y/N) B B	to C35)		- MRO))			
	STANDARD STANDA	#		REMARKS								-	CLP CLP	letals Metals Volatil Semi	s Ag A es Volati	les	d Cr	Pb S	Se Hg			le or S	



Appendix D

State Correspondence

Long, Brittany

From: Long, Brittany

Sent: Tuesday, March 22, 2022 1:30 PM

To: OCD.Enviro@state.nm.us

Cc: Todd Wells

Subject: EOG Resources Caballo Section 23 Tank Battery (nAPP2112555381) Confirmation Sampling

Notification

Good Afternoon,

Tetra Tech is scheduled to collect 5 point confirmation, bottom hole and sidewall samples, for the EOG Caballo Section 23 Tank Battery (nAPP2112555381) remediation starting on Thursday March 24, 2022, at 12:30 PM and will continue each day as the remediation progresses. These samples will be placed within the remediation on the pad and lease road. 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 117695

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	117695
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	6/29/2022