SITE INFORMATION

Report Type: Closure Report NRM2030056773

General Site Information:						
Site:	**Dragon 36 State 4H**					
Company:	**EOG Resources**					
Section, Township and Range	**Unit N**	**Sec. 36**	**T 24S**	**R 33E**		
Lease Number:						
County:	**Lea County**					
GPS:	**32.1675226**			**-103.5286485**		
Surface Owner:	State					
Mineral Owner:						
Directions:	From Vaca Ln at 32.210308°, -103.534470°, head south on Vaca Ln for 3.48 miles. Turn left onto lease road, follow for 0.19 miles to location.					

Release Data:	
Date Released:	10/6/2020
Type Release:	Oil & Produced Water
Source of Contamination:	Water Dump Valve
Fluid Released:	1 bbl oil & 4 bbl water
Fluids Recovered:	1 bbl oil & 1 bbl water

Official Communication:			
Name:	Todd Wells		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr.		901 W. Wall St.
			Ste 100
City:	Midland, Texas, 79706		Midland, Texas, 79701
Phone number:	(432) 686-3613		(432) 682-4559
Fax:			
Email:	Todd_Wells@eogresources.com		clair.gonzales@tetratech.com

Site Characterization	
Depth to Groundwater:	*17.56' Below Surface*
Karst Potential:	*Low*

Recommended Remedial Action Levels (RRALs)				
Benzene	***Total BTEX***	***TPH (GRO+DRO)***	***TPH (GRO+DRO+MRO)***	***Chlorides***
10 mg/kg	*50 mg/kg*	*100 mg/kg*	*100 mg/kg*	*600 mg/kg*

TETRA TECH

July 14, 2021

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

Re: Closure Report
EOG Resources
Dragon 36 State 4H
Unit N, Section 36, Township 24 South, Range 33 East,
Lea County, New Mexico.
Incident ID: NRM2030056773

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess and remediate a release that occurred at the EOG Dragon 36 State 4H (Site) (API #: 30-025-40926). The Site is located in the Public Land Survey System (PLSS) Unit N, Section 36, Township 24 South, Range 33 East, Lea County, New Mexico. The site coordinates are 32.1675226°, -103.5286485°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the release was discovered on October 6, 2020 and was caused by a valve failure at the heater treater. Approximately 4 barrels (bbls) of produced water and 1 bbl of crude oil were released. Of which, approximately 1 bbl of produced water and 1 bbl of crude oil were recovered. The release was subsequently assigned the Incident ID NRM2030056773. C-141 forms are included in Appendix A.

Site Characterization

A site characterization was performed for the site and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances and the site is in a low karst potential area. The nearest well is listed in the USGS National Water Information Database website in Section 25, approximately 1.75 miles north-northeast of the site, and has a reported depth to groundwater of 17.56' below ground surface (bgs). Additionally, there is a well listed in the New Mexico Office of the State Engineer (NMOSE) database in section 25, approximately 1.98 miles northeast of the site, and has a reported depth to groundwater of 30' bgs. Site characterization data and well log are included in Appendix B.

Tetra Tech
901 West Wall Street, Suite 100, Midland, TX 79701
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

TETRA TECH

Regulatory

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

Soil Assessments and Analytical Results

On October 26, 2020, Tetra Tech personnel were onsite to conduct a soil investigation and sample the release area. A total of seven (7) auger holes were installed throughout the spill area, depths ranging from surface to 1.5' bgs. Additionally, eight (8) horizontal samples (H-1 through H-8) were collected to depths of 1.0’ bgs. A total of twenty-one (21) samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, the sample locations (AH-1, AH-4, AH-6, and AH-7) exceeded RRALs for chlorides, with concentrations ranging from 1,230 mg/kg to 22,200 mg/kg, at depths ranging from surface to 1.5' bgs. The sample location (AH-1) also exceeded the RRALs for TPH, showing a concentration of 102 mg/kg, at depths ranging from surface to 1.0’ bgs. The remainder of the sample locations (AH-2, AH-3, and AH-5) were below the RRALs. Additionally, none of the horizontal samples (H-1 through H-8) exceeded the Site RRALs.

An additional investigation was conducted on February 8, 2021. Trenches were installed in the areas of auger holes (AH-4, AH-6, and AH-7), at depths ranging from surface to 3.0' bgs, and were subsequently named (T-4, T-6, and T-7), respectively. The sample locations (T-4 and T-7) exceeded the RRAL for chlorides, with concentrations ranging from 685 mg/kg to 9,420 mg/kg, at depths ranging from surface to 2.0’ bgs. Additionally, regarding the sample locations (T-4 and T-7), the chloride concentrations decreased with depth to below the RRALs at 3.0’ below surface. Additionally, sample location (T-6) did not exceed RRALs at any depth ranging from surface to 3.0’ bgs.

Remediation and Reclamation Activities

Based on the results of the site assessment, Tetra Tech personnel were onsite from April 14, 2021 through May 7, 2021 to supervise the remediation and reclamation activities as well as to collect confirmation samples. The impacted areas were excavated to a total depth ranging from 1.0’ - 3.0’ bgs, as shown on Figure 4 and Table 2.

Confirmation bottom holes and sidewall samples were collected every 200 square feet. A total of thirty (30) bottom hole samples (BH-1 through BH-30) and thirty-three (33) sidewall

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samples (SW-1 through SW-33) were collected to ensure proper removal of the impacted soils. The samples were submitted to the laboratory to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0.

Referring to Table 2, all final confirmation samples collected showed benzene, total BTEX, and TPH concentrations below the RRALs. Additionally, all final samples showed chloride concentrations below the 600 mg/kg threshold in the top 4.0' of soil. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The excavation depths and sample locations are shown in Figure 4.

Approximately 635 cubic yards of material was excavated and transported offsite for proper disposal. The areas were then backfilled with clean material to surface grade.

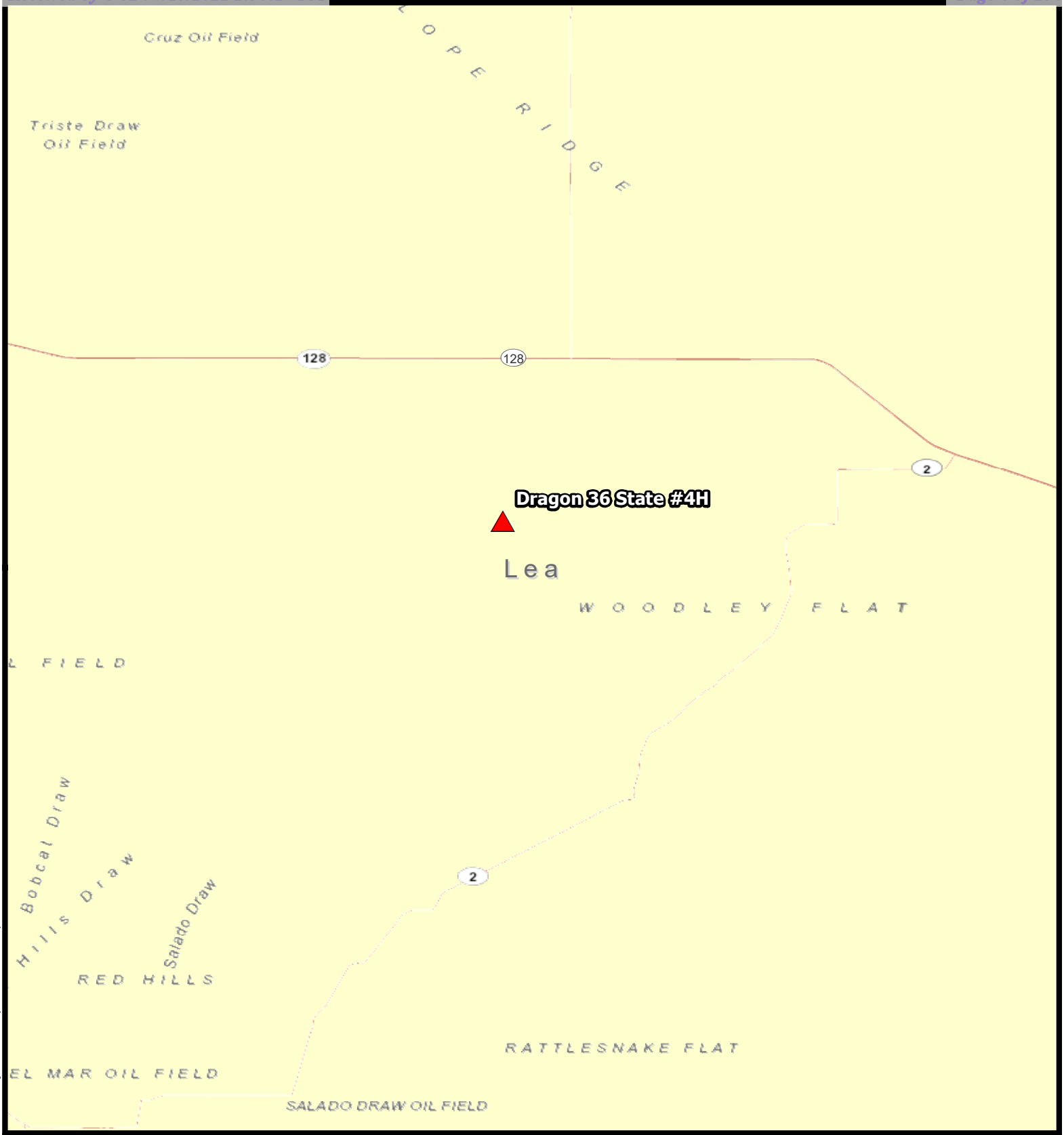
Conclusion

Based on the laboratory results and remediation activities performed, EOG requests closure of this spill issue. The final C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

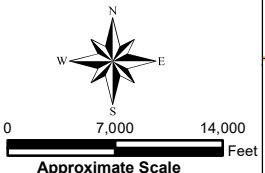
Respectfully submitted,
TETRA TECH

Devin Brown Biologist	Brittany Long Project Manager	Clair Gonzales, P.G. Senior Project Manager

Figures



SITE LOCATION



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Sources: Esri, Garmin, USGS, NPS

OVERVIEW MAP
DRAGON 36 STATE 4H
Property located at coordinates 32.1675226°, -103.5286485°
LEA COUNTY, NEW MEXICO

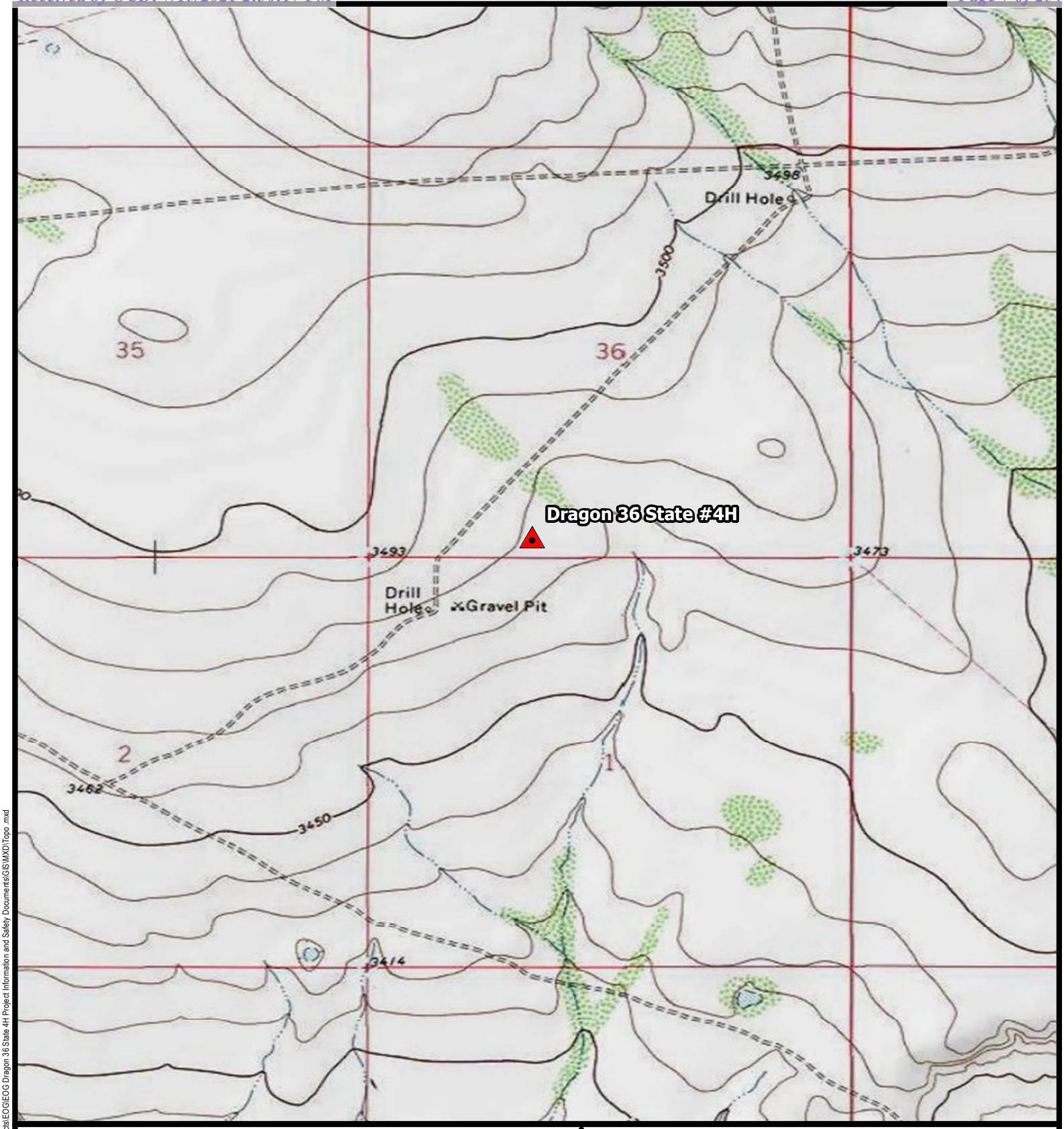
eog resources

TETRA TECH
901 W Wall St Ste. 100,
Midland, TX 79701
(432) 682-4559

Project #: 212C-MD-02345
Date: 05-27-2021
Drawn By: Ezequiel Moreno

FIGURE
1

Document Path: C:\Users\E.MORENO\FLORES\Documents\Projects\EOG\EOG Dragon 36 State 4H Project Information and Safety Documents\GIS\MXD\Overview .mxd



SITE LOCATION

N
W E
S

0 550 1,100 2,200

Approximate Scale in Feet

Service Layer Credits: Copyright:© 2013 National Geographic Society, i-cubed

TOPOGRAPHIC MAP
DRAGON 36 STATE 4H
Property located at coordinates 32.1675226°, -103.5286485°
LEA COUNTY, NEW MEXICO

eog resources

TETRA TECH
901 W Wall St Ste. 100,
Midland, TX 79701
(432) 682-4559

Project #: 212C-MD-02345
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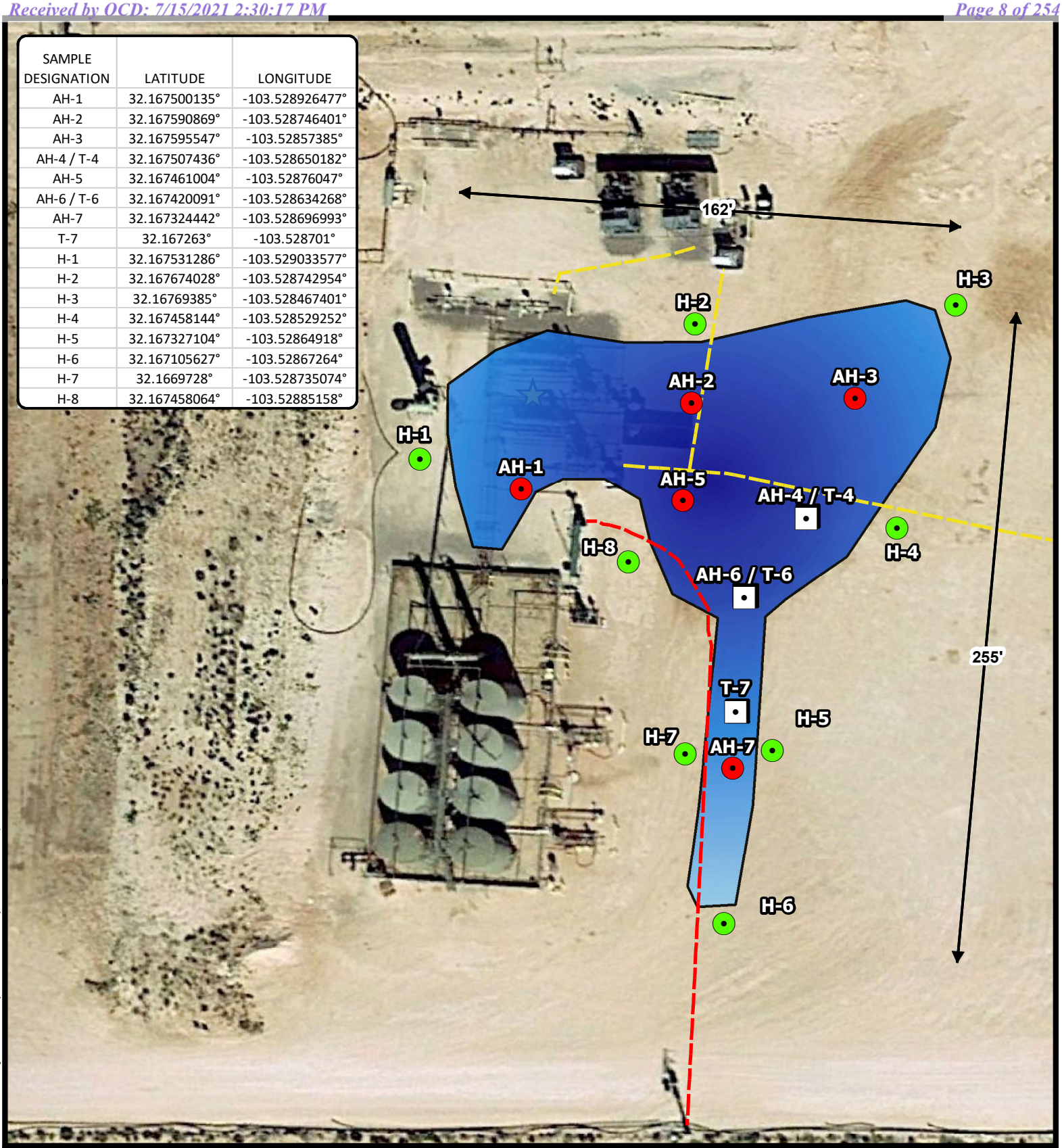
Drawn By: Ezequiel Moreno

FIGURE
2

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\EOG\EOG Dragon 36 State 4H Project Information and Safety Documents\GIS\MXD\Topo .mxd

SAMPLE DESIGNATION	LATITUDE	LONGITUDE
AH-1	32.167500135°	-103.528926477°
AH-2	32.167590869°	-103.528746401°
AH-3	32.167595547°	-103.52857385°
AH-4 / T-4	32.167507436°	-103.528650182°
AH-5	32.167461004°	-103.52876047°
AH-6 / T-6	32.167420091°	-103.528634268°
AH-7	32.167324442°	-103.528696993°
T-7	32.167263°	-103.528701°
H-1	32.167531286°	-103.529033577°
H-2	32.167674028°	-103.528742954°
H-3	32.16769385°	-103.528467401°
H-4	32.167458144°	-103.528529252°
H-5	32.167327104°	-103.52864918°
H-6	32.167105627°	-103.52867264°
H-7	32.1669728°	-103.528735074°
H-8	32.167458064°	-103.52885158°



HORIZONTAL SAMPLE LOCATIONS
AUGERHOLE SAMPLE LOCATIONS
TRENCH SAMPLE LOCATIONS
BURIED GAS PIPELINE
BURIED ELECTRICAL LINE
SPILL EXTENT
RELEASE POINT

N
W E
S

0 15 30 60
Approximate Scale in Feet

Service Layer Credits: Google Earth.

SPILL ASSESSMENT MAP
DRAGON 36 STATE 4H
Property located at coordinates 32.1675226°, -103.5286485°
LEA COUNTY, NEW MEXICO

eog resources

TETRA TECH
901 W Wall St Ste. 100,
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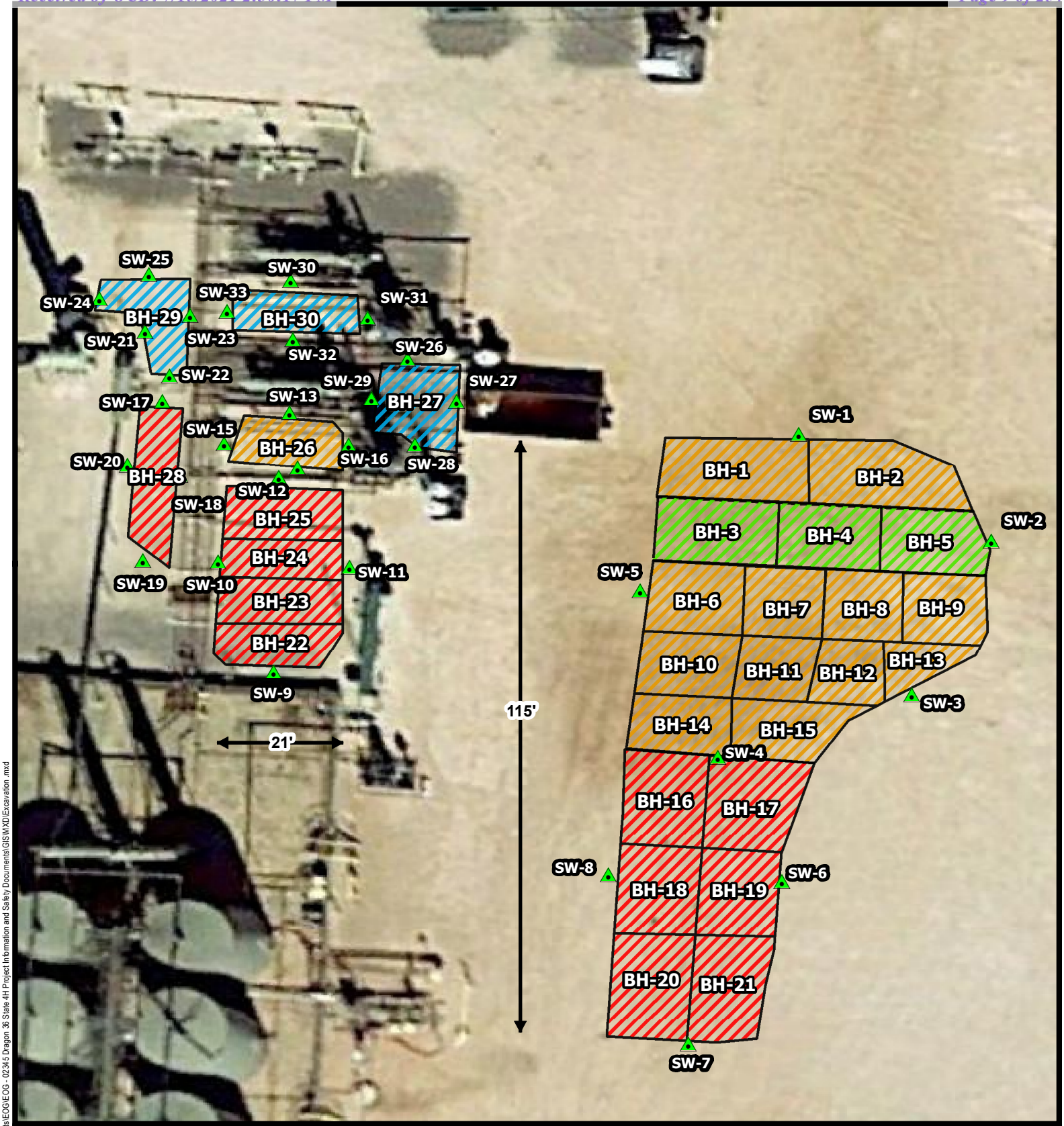
Project #: 212C-MD-02345
Date: 05-27-2021
Drawn By: Ezequiel Moreno

FIGURE 3

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\EOG\EOG - 02345 Dragon 36 State 4H Project Information and Safety Documents\GIS\MXD\Spill .mxd



SIDEWALL SAMPLE LOCATIONS
BH BOTTOMHOLE SAMPLE LOCATIONS
1' EXCAVATION DEPTH
1.5' EXCAVATION DEPTH
2' EXCAVATION DEPTH
3' EXCAVATION DEPTH

N
W E
S

0 10 20 40
Approximate Scale in Feet

Service Layer Credits: Google Earth.

EXCAVATION AREA & DEPTH MAP
DRAGON 36 STATE 4H
Property located at coordinates 32.1675226°, -103.5286485°
LEA COUNTY, NEW MEXICO

eog resources

TETRA TECH
901 W Wall St Ste. 100,
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Project #: 212C-MD-02345
Date: 05-28-2021
Drawn By: Ezequiel Moreno

FIGURE
4

Document Path: C:\Users\EMORENOFLORES\Documents\Projects\EOG\EOG - 02345 Dragon 36 State 4H Project Information and Safety Documents\GIS\MXD\Excavation .mxd

Tables

Table 1
EOG
Dragon 36 State 4H
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
AH-1	10/26/2020	0-1	X		<50.0	**102**	<50.0	**102**	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**22,200**
	"	1-1.5	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-	**15,400**
AH-1	2/8/2021	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**1270**
	"	1-1.5	X		-	-	-	-	-	-	-	-	-	**1230**
	"	2-2.5	X		-	-	-	-	-	-	-	-	-	414
AH-2	10/26/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	415
	"	1-1.5	X		-	-	-	-	-	-	-	-	-	85.5
AH-3	10/26/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	293
	"	1-1.5	X		-	-	-	-	-	-	-	-	-	455
AH-4	10/26/2020	0-1	X		<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**11,100**
T-4	2/8/2021	0-1	X		<49.8	<49.8	<49.8	<49.8	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	**9420**
	"	1	X		-	-	-	-	-	-	-	-	-	109
	"	2	X		-	-	-	-	-	-	-	-	-	405
	"	3	X		-	-	-	-	-	-	-	-	-	203
AH-5	10/26/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	213
	"	1-1.5	X		-	-	-	-	-	-	-	-	-	153
AH-6	10/26/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	**7,350**
	"	1-1.5	X		-	-	-	-	-	-	-	-	-	**3,940**
T-6	2/8/2021	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	68.4
	"	1	X		-	-	-	-	-	-	-	-	-	63.1
	"	2	X		-	-	-	-	-	-	-	-	-	60.8
	"	3	X		-	-	-	-	-	-	-	-	-	64.3
AH-7	10/26/2020	0-1	X		<50.0	63.8	<50.0	63.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**7,700**
	"	1-1.5	X		-	-	-	-	-	-	-	-	-	**1,710**
T-7	2/8/2021	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**8260**
	"	1	X		-	-	-	-	-	-	-	-	-	**1270**
	"	2	X		-	-	-	-	-	-	-	-	-	**685**
	"	3	X		-	-	-	-	-	-	-	-	-	225

Table 1
EOG
Dragon 36 State 4H
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
Horizontal-1	10/26/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	13.7
Horizontal-2	10/26/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	0.0023	0.0023	62
Horizontal-3	10/26/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	19.6
Horizontal-4	10/26/2020	0-1	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	211
Horizontal-5	10/26/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	429
Horizontal-6	10/26/2020	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	14.7
Horizontal-7	10/26/2020	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	291
Horizontal-8	10/26/2020	0-1	X		<50.0	94.5	<50.0	94.5	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	119

(-) Not Analyzed
Excavated

Table 2
EOG
Dragon 36 State 4H
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
BH-1	4/19/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00199	0.0135	<0.00398	0.0155	412
BH-2	4/19/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	434
BH-3	4/19/2021	1.5	X	-	<49.8	<49.8	<49.8	<49.8	0.00229	<0.00200	<0.00200	0.00606	0.00835	54.4
BH-4	4/19/2021	1.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	45.9
BH-5	4/19/2021	1.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	227
BH-6	4/19/2021	2.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	432
BH-7	4/19/2021	2.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	348
BH-8	4/19/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	369
BH-9	4/19/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	409
BH-10	4/19/2021	2.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	182
BH-11	4/19/2021	2.0	X	-	<49.9	88.7	<49.9	88.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	174
BH-12	4/19/2021	2.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	167
BH-13	4/19/2021	2.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	151
BH-14	4/19/2021	2.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	48.2
BH-15	4/19/2021	2.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	53.5
BH-16	4/19/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	38.3
BH-17	4/19/2021	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	34.3
BH-18	4/19/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.2
BH-19	4/19/2021	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	35.3
BH-20	4/19/2021	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	34.6
BH-21	4/19/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	46.9
BH-22	5/4/2021	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.9
BH-23	5/4/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	306
BH-24	5/4/2021	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	274
BH-25	5/4/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	283
BH-26	5/4/2021	2.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	333
BH-27	5/4/2021	1.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	301
BH-28	5/4/2021	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	292
BH-29	5/4/2021	1.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	330
BH-30	5/4/2021	0.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	29.6

Table 2
EOG
Dragon 36 State 4H
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
SW-1	4/19/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	25.4
SW-2	4/19/2021	1.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	440
SW-3	4/19/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	123
SW-4	4/19/2021	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123
SW-5	4/19/2021	2.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	421
SW-6	4/19/2021	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	21.5
SW-7	4/19/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	129
SW-8	4/19/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	119
SW-9	5/4/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	123
SW-10	5/4/2021	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	116
SW-11	5/4/2021	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	384
SW-12	5/4/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	409
SW-13	5/4/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	413
SW-14	5/4/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	428
SW-15	5/4/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	412
SW-16	5/4/2021	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.4
SW-17	5/4/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	28.4
SW-18	5/4/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.3
SW-19	5/4/2021	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	345
SW-20	5/4/2021	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	376
SW-21	5/4/2021	1.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	84.7
SW-22	5/4/2021	1.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	77.3
SW-23	5/4/2021	1.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	69.5
SW-24	5/4/2021	1.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	68.4
SW-25	5/4/2021	1.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	109
SW-26	5/4/2021	1.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	135
SW-27	5/4/2021	1.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	142
SW-28	5/4/2021	1.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	127
SW-29	5/4/2021	1.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	120
SW-30	5/4/2021	1.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	34.1
SW-31	5/4/2021	1.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.5

Table 2
EOG
Dragon 36 State 4H
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
SW-32	5/4/2021	1.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	32.1
SW-33	5/4/2021	1.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	23

(-) Not Analyzed

Photos

Photographic Documentation
EOG – Dragon 36 State 4H
Lea County, New Mexico
Tetra Tech Project Number: 212C-MD-02345

Photo: 1 **Description:** Excavation of impacted material to varying depths on pad **Orientation:** Southwest	

Photo: 2 **Description:** Excavation of impacted material to varying depths on pad **Orientation:** South	

Photographic Documentation
EOG – Dragon 36 State 4H
Lea County, New Mexico
Tetra Tech Project Number: 212C-MD-02345

Photo: 3 **Description:** Excavation and stockpiling of impacted material on pad **Orientation:** Northeast	

Photo: 4 **Description:** Excavation of impacted material to varying depths on pad **Orientation:** Southwest	

Photographic Documentation
EOG – Dragon 36 State 4H
Lea County, New Mexico
Tetra Tech Project Number: 212C-MD-02345

Photo: 5 **Description:** Excavation of impacted material adjacent to facilities **Orientation:** Southwest	

Photo: 6 **Description:** Excavation of impacted material adjacent to facilities **Orientation:** North	

Photographic Documentation
EOG – Dragon 36 State 4H
Lea County, New Mexico
Tetra Tech Project Number: 212C-MD-02345

Photo: 7 **Description:** Excavation of impacted material adjacent to facilities **Orientation:** West	

Photo: 8 **Description:** Excavation of impacted material adjacent to facilities **Orientation:** West	

Appendix A

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NRM2030056773
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.167600° Longitude -103.528914°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dragon 36 State #4H	Site Type Tank Battery
Date Release Discovered 10/6/20	API# *(if applicable)* 30-025-40926

Unit Letter	Section	Township	Range	County
N	36	24S	33E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 1	Volume Recovered (bbls) 1
☒ Produced Water	Volume Released (bbls) 4	Volume Recovered (bbls) 1
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The bottom of the water dump valve at the heater washed out. Approximately 5 bbls of produced water and oil was released on the pad and 2 bbls recovered.

State of New Mexico
Oil Conservation Division

Incident ID	NRM2030056773
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 10-21-20

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Ramona Marcus Date: 10/26/2020

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
EOG - Dragon 26 State 4H
Lea County, New Mexico

23 South 32 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21 400	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

23 South 33 East

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

23 South 34 East

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

24 South 32 East

6	5	4	3	2	1
7	8	9	10 20	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33 290	34	35	36

24 South 33 East

6	5	4	3	2	1 81
7	8	9	10 24 20	11	12
18	17 97 415	16 415	15	14 575	13 390
19	20	21	22	23 208 110	24 16.9
30	29	28	27	26	25
31	32	33 93 70	34	35	36 SITE

24 South 34 East

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

25 South 32 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32 290	33	34	35	36

25 South 33 East

6	5	4	3 172	2	1
7	8	9	10	11 140	12 200
18	17	16	15	14	13
19	20 200	21 120	22	23	24
30	29	28	27 125	26	25
31 257	32	33	34	35	36

25 South 34 East

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

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

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

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

34 NMOCD - Groundwater Data

123 Tetra Tech installed temporary wells and field water level

143 NMOCD Groundwater map well location

Low Karst

EOG Resources
Dragon 36 State #4H

Legend
- CRIT
- Dragon 36 State #4H Release Point
- HIGH
- LOW
- MEDIUM

128

18

Dragon 36 State #4H Release Point

Jal

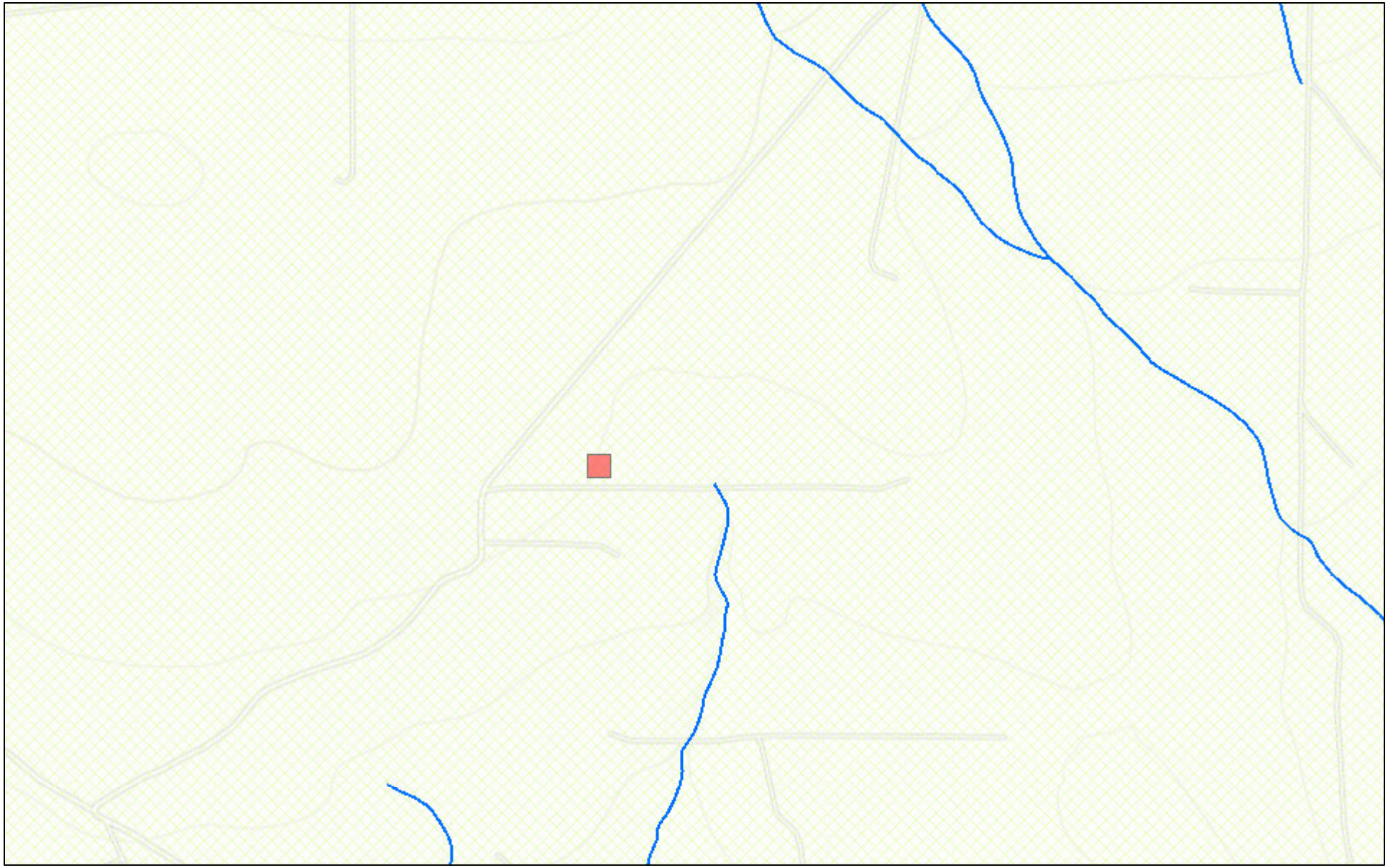
3

N

Google Earth

7 mi

New Mexico NFHL Data



October 21, 2020

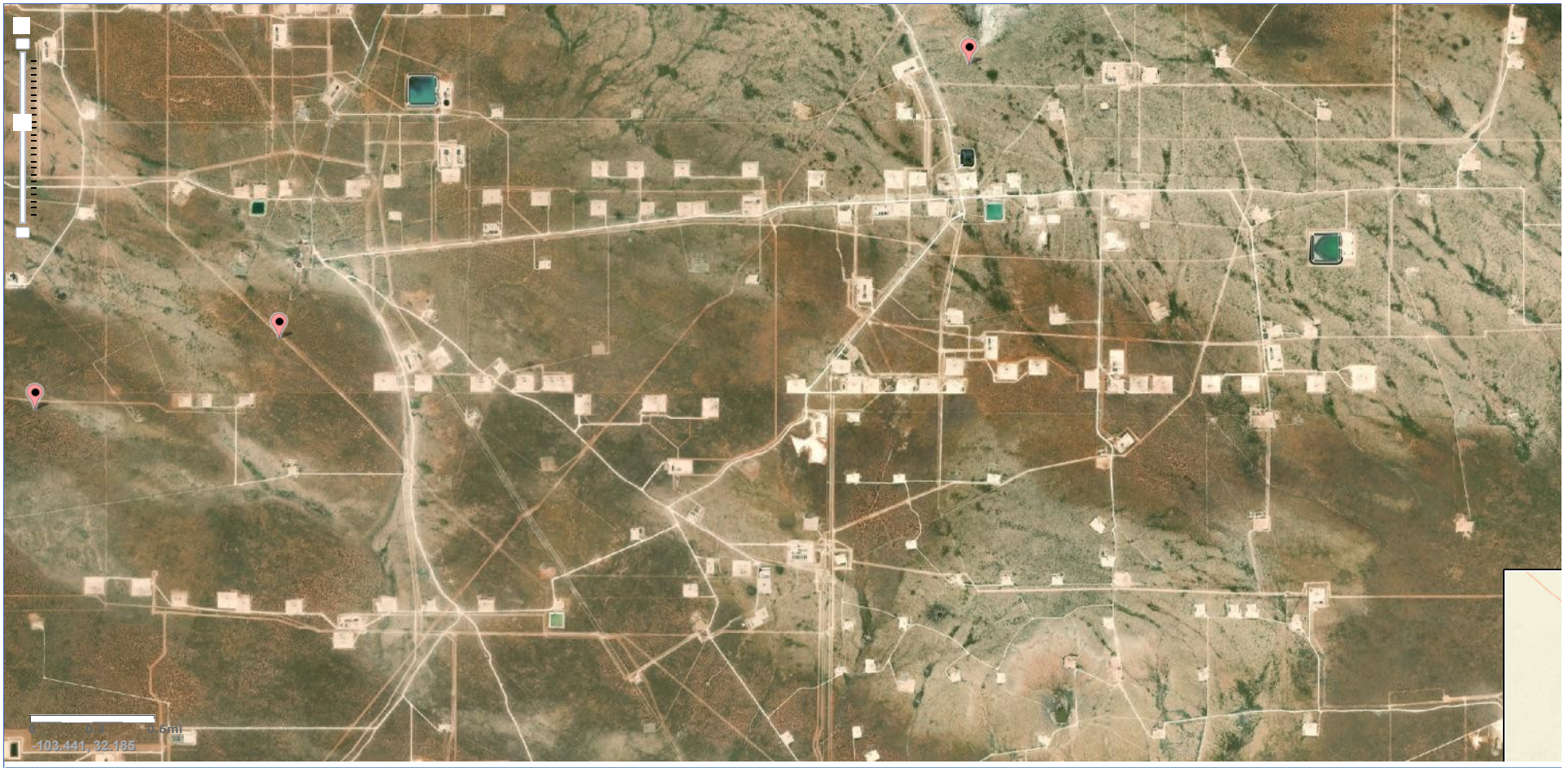
1:18,056

0 0.15 0.3 0.6 mi

0 0.25 0.5 1 km

FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

National Water Information System: Mapper



Site Information

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 closed)

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02308	CUB	LE	1	3	1	10	24S	33E	634953	3567364*	40	20	20
C 02309	CUB	LE	2	2	2	25	24S	33E	639708	3562997	60	30	30
C 02310	CUB	LE	2	4	2	33	24S	33E	634420	3560893	120	70	50
C 02311	CUB	LE	2	3	2	33	24S	33E	634391	3560877	120	70	50
C 02430	CUB	LE	3	3	3	16	24S	33E	633377	3564732*	643	415	228
C 02431	CUB	LE	4	4	4	17	24S	33E	633175	3564728*	525	415	110
C 02432	CUB	LE	4	4	4	17	24S	33E	633175	3564728*	640	415	225
C 02563	CUB	LE	1	4	2	33	24S	33E	634639	3560923*	120		
C 02564	CUB	LE	2	4	2	33	24S	33E	634839	3560923*	120		
C 02890	C	LE		2	4	29	24S	33E	633114	3562012*	500		
C 03565 POD3	CUB	LE		3	4	08	24S	33E	632763	3566546		1533	
C 03591 POD1	CUB	LE	2	1	4	05	24S	33E	632731	3568518			
C 03600 POD1	CUB	LE	2	2	1	26	24S	33E	637275	3563023			
C 03600 POD2	CUB	LE	4	4	1	25	24S	33E	638824	3562329			
C 03600 POD3	CUB	LE	3	4	2	26	24S	33E	637784	3562340			
C 03600 POD4	CUB	LE	3	3	1	26	24S	33E	636617	3562293			
C 03600 POD5	CUB	LE	3	2	4	26	24S	33E	637857	3562020			
C 03600 POD6	CUB	LE	3	1	4	26	24S	33E	637383	3562026			
C 03600 POD7	CUB	LE	3	1	3	26	24S	33E	636726	3561968			
C 03601 POD1	CUB	LE	4	4	2	23	24S	33E	638124	3563937			
C 03601 POD2	CUB	LE	3	2	4	23	24S	33E	637846	3563588			
C 03601 POD3	CUB	LE	1	3	3	24	24S	33E	638142	3563413			
C 03601 POD4	CUB	LE	3	3	3	24	24S	33E	638162	3561375			
C 03601 POD5	CUB	LE	2	4	4	23	24S	33E	637988	3563334			
C 03601 POD6	CUB	LE	1	4	4	23	24S	33E	637834	3563338			
C 03601 POD7	CUB	LE	4	4	4	23	24S	33E	637946	3563170			

***UTM location was derived from PLSS - see Help**

(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 closed)

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

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

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 03602 POD2	CUB	LE	4	4	1	25	24S	33E	638824	3562329			
C 03603 POD1	CUB	LE	3	2	2	35	24S	33E	637805	3561225			
C 03603 POD2	CUB	LE	3	1	2	35	24S	33E	637384	3561167			
C 03603 POD3	CUB	LE	4	1	1	35	24S	33E	636890	3561092			
C 03603 POD4	CUB	LE	3	2	4	35	24S	33E	637789	3560461			
C 03603 POD5	CUB	LE	3	3	2	35	24S	33E	636745	3560767			
C 03603 POD6	CUB	LE	3	1	3	35	24S	33E	636749	3560447			
C 03662 POD1	C	LE	3	1	2	23	24S	33E	637342	3564428	550	110	440
C 03666 POD1	C	LE	2	3	4	13	24S	33E	639132	3565078	650	390	260
C 03679 POD1	C	ED	1	4	2	14	24S	33E	603567	3581547	700	575	125
C 03917 POD1	C	LE	4	1	3	13	24S	33E	638374	3565212	600	420	180
C 04014 POD2	CUB	LE	4	4	2	01	24S	33E	639656	3568917	95	81	14
C 04014 POD3	CUB	LE	2	4	2	01	24S	33E	639497	3569007	95	87	8
C 04014 POD4	CUB	LE	3	4	2	01	24S	33E	639295	3568859	96	86	10
C 04014 POD5	CUB	LE	1	4	2	01	24S	33E	639284	3569086	95	85	10
C 04339 POD1	CUB	LE	1	3	3	23	24S	33E	636525	3563309	47		
C 04339 POD10	CUB	LE	4	1	4	23	24S	33E	637688	3563503	49		
C 04339 POD2	CUB	LE	2	3	3	23	24S	33E	636789	3563315			
C 04339 POD3	CUB	LE	2	4	3	23	24S	33E	637273	3563323	38		
C 04339 POD4	CUB	LE	2	4	3	23	24S	33E	637273	3563323	47		
C 04339 POD5	CUB	LE	2	3	4	23	24S	33E	637580	3563328	54		
C 04339 POD6	CUB	LE	3	1	2	23	24S	33E	637340	3564386	60		
C 04339 POD7	CUB	LE	4	4	2	23	24S	33E	636473	3564011	43		
C 04339 POD8	CUB	LE	1	1	3	23	24S	33E	636519	3563681	30		
C 04339 POD9	CUB	LE	3	4	2	23	24S	33E	637731	3563913	45		

Average Depth to Water: **300 feet**

Minimum Depth: **20 feet**

Maximum Depth: **1533 feet**

Record Count: 51

PLSS Search:

Township: 24S **Range:** 33E

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321127103310401

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321127103310401 24S.33E.24.44444

Lea County, New Mexico
Latitude 32°11'27", Longitude 103°31'04" NAD27
Land-surface elevation 3,538 feet above NAVD88
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1953-11-27		D	17.40			2		U		U	A
1976-01-21		D	13.57			2		U		U	A
1981-03-19		D	16.03			2		U		U	A
1986-03-06		D	14.80			2		U		U	A
1991-05-29		D	17.56			2		U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
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Automated retrievals
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Data Tips
Explanation of terms
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2020-10-23 14:15:32 EDT
0.31 0.29 nadww01

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Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321017103343201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321017103343201 24S.33E.33.23231

Lea County, New Mexico
Latitude 32°10'17", Longitude 103°34'32" NAD27
Land-surface elevation 3,475 feet above NAVD88
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1954-03-17		D	93.15			2		U		U	A
1976-01-22		D	92.05			2		U		U	A
1981-03-20		D	92.81			2		U		U	A
1986-03-11		D	94.57			2		U		U	A
1991-06-06		D	94.62			2		U		U	A
1996-03-01		D	94.35			2		S		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2020-10-23 14:14:08 EDT
0.27 0.24 nadww01

Appendix C

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Certificate of Analysis Summary 676177

Tetra Tech- Midland, Midland, TX

Project Name: Dragon 36 St 4H

Project Id: 212C-MD-02345
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Tue 10.27.2020 14:20
Report Date: 11.02.2020 16:59
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	676177-001		676177-002		676177-003		676177-004		676177-005		676177-006	
	Field Id:	H-1 (0-1')		H-2(0-1')		H-3 (0-1')		H-4 (0-1')		H-5 (0-1')		H-6 (0-1')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.30.2020 17:30		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	11.01.2020 00:01		10.27.2020 23:46		10.28.2020 00:07		10.28.2020 00:28		10.28.2020 00:48		10.28.2020 01:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00397	0.00397	<0.00401	0.00401	<0.00402	0.00402	<0.00399	0.00399	<0.00402	0.00402	<0.00399	0.00399
o-Xylene		<0.00198	0.00198	0.00230	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	0.00230	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00198	0.00198	0.00230	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	10.28.2020 17:35		10.28.2020 17:35		10.28.2020 17:35		10.28.2020 17:35		10.28.2020 17:35		10.28.2020 17:35	
	Analyzed:	10.28.2020 19:55		10.28.2020 20:01		10.28.2020 20:08		10.28.2020 20:14		10.28.2020 20:20		10.28.2020 20:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		13.7	4.97	62.0	5.02	19.6	4.95	211	4.97	429	5.00	14.7	4.99
TPH By SW8015 Mod	***Extracted:***	10.27.2020 16:00		10.27.2020 16:00		10.27.2020 16:00		10.27.2020 16:00		10.27.2020 16:00		10.27.2020 16:00	
	Analyzed:	10.27.2020 20:19		10.27.2020 20:38		10.27.2020 20:57		10.27.2020 21:34		10.27.2020 21:52		10.27.2020 22:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Total TPH		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 676177

Tetra Tech- Midland, Midland, TX

Project Name: Dragon 36 St 4H

Project Id: 212C-MD-02345
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Tue 10.27.2020 14:20
Report Date: 11.02.2020 16:59
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	676177-007		676177-008					
	Field Id:	H-7 (0-1')		H-8 (0-1')					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	10.26.2020 00:00		10.26.2020 00:00					
BTEX by EPA 8021B	***Extracted:***	** ** ** **		** ** ** **					
	Analyzed:	10.28.2020 01:30		10.28.2020 01:50					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00201	0.00201	<0.00202	0.00202				
Toluene		<0.00201	0.00201	<0.00202	0.00202				
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202				
m,p-Xylenes		<0.00402	0.00402	<0.00404	0.00404				
o-Xylene		<0.00201	0.00201	<0.00202	0.00202				
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202				
Total BTEX		<0.00201	0.00201	<0.00202	0.00202				
Inorganic Anions by EPA 300/300.1	***Extracted:***	10.28.2020 17:35		10.28.2020 17:35					
	Analyzed:	10.28.2020 20:45		10.28.2020 20:52					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		291	5.04	119	5.01				
TPH By SW8015 Mod	***Extracted:***	10.27.2020 16:00		10.27.2020 16:00					
	Analyzed:	10.27.2020 22:29		10.27.2020 22:48					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0				
Diesel Range Organics (DRO)		<49.9	49.9	94.5	50.0				
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0				
Total TPH		<49.9	49.9	94.5	50.0				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 676177

for

Tetra Tech- Midland

Project Manager: Mike Carmona

Dragon 36 St 4H

212C-MD-02345

11.02.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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11.02.2020

Project Manager: **Mike Carmona**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **676177**
Dragon 36 St 4H
Project Address: Lea County, New Mexico

Mike Carmona:

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 Eurofins Xenco, LLC Report Number(s) 676177. 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 Eurofins Xenco, LLC. 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. 676177 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 Eurofins Xenco, LLC 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 Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 676177

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
H-1 (0-1')	S	10.26.2020 00:00		676177-001
H-2(0-1')	S	10.26.2020 00:00		676177-002
H-3 (0-1')	S	10.26.2020 00:00		676177-003
H-4 (0-1')	S	10.26.2020 00:00		676177-004
H-5 (0-1')	S	10.26.2020 00:00		676177-005
H-6 (0-1')	S	10.26.2020 00:00		676177-006
H-7 (0-1')	S	10.26.2020 00:00		676177-007
H-8 (0-1')	S	10.26.2020 00:00		676177-008

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CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Dragon 36 St 4H

Project ID: *212C-MD-02345*
Work Order Number(s): *676177*

Report Date: *11.02.2020*
Date Received: *10.27.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3141111 BTEX by EPA 8021B

Lab Sample ID 676177-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 676177-001.

The Laboratory Control Sample for m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results 676177

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-1 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-001 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.28.2020 17:35 % Moisture:

Seq Number: 3140874 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.7**	4.97	mg/kg	10.28.2020 19:55		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.27.2020 20:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.27.2020 20:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.27.2020 20:19	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.27.2020 20:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	10.27.2020 20:19	
o-Terphenyl	84-15-1	121	%	70-130	10.27.2020 20:19	

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Certificate of Analytical Results 676177

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**H-1 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676177-001	Date Collected:	10.26.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.30.2020 17:30	% Moisture:	
Seq Number:	3141111			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.01.2020 00:01	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.01.2020 00:01	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.01.2020 00:01	UX	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.01.2020 00:01	UX	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.01.2020 00:01	UX	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.01.2020 00:01	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.01.2020 00:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	88	%	70-130	11.01.2020 00:01	
4-Bromofluorobenzene	460-00-4	97	%	70-130	11.01.2020 00:01	

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Certificate of Analytical Results 676177

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-2(0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-002 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.28.2020 17:35 % Moisture:

Seq Number: 3140874 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**62.0**	5.02	mg/kg	10.28.2020 20:01		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 20:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.27.2020 20:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 20:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.27.2020 20:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	10.27.2020 20:38	
o-Terphenyl	84-15-1	127	%	70-130	10.27.2020 20:38	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**H-2(0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676177-002	Date Collected:	10.26.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.27.2020 14:00	% Moisture:	
Seq Number:	3140791			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.27.2020 23:46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.27.2020 23:46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.27.2020 23:46	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	10.27.2020 23:46	U	1
o-Xylene	95-47-6	**0.00230**	0.00200	mg/kg	10.27.2020 23:46		1
Total Xylenes	1330-20-7	**0.00230**	0.00200	mg/kg	10.27.2020 23:46		1
Total BTEX		**0.00230**	0.00200	mg/kg	10.27.2020 23:46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	10.27.2020 23:46	
1,4-Difluorobenzene	540-36-3	96	%	70-130	10.27.2020 23:46	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**H-3 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676177-003	Date Collected:	10.26.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	10.28.2020 17:35	% Moisture:	
Seq Number:	3140874			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.6**	4.95	mg/kg	10.28.2020 20:08		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.27.2020 16:00	% Moisture:	
Seq Number:	3140779			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.27.2020 20:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.27.2020 20:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.27.2020 20:57	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.27.2020 20:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	10.27.2020 20:57	
o-Terphenyl	84-15-1	112	%	70-130	10.27.2020 20:57	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-3 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-003 Date Collected: 10.26.2020 00:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 10.27.2020 14:00 % Moisture:

Seq Number: 3140791 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.28.2020 00:07	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.28.2020 00:07	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.28.2020 00:07	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.28.2020 00:07	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.28.2020 00:07	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.28.2020 00:07	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.28.2020 00:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	10.28.2020 00:07	
1,4-Difluorobenzene	540-36-3	87	%	70-130	10.28.2020 00:07	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-4 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-004 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.28.2020 17:35 % Moisture:

Seq Number: 3140874 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**211**	4.97	mg/kg	10.28.2020 20:14		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.27.2020 21:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.27.2020 21:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.27.2020 21:34	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.27.2020 21:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	10.27.2020 21:34	
o-Terphenyl	84-15-1	105	%	70-130	10.27.2020 21:34	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-4 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-004 Date Collected: 10.26.2020 00:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 10.27.2020 14:00 % Moisture:

Seq Number: 3140791 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.28.2020 00:28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.28.2020 00:28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.28.2020 00:28	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.28.2020 00:28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.28.2020 00:28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.28.2020 00:28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.28.2020 00:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	10.28.2020 00:28	
1,4-Difluorobenzene	540-36-3	99	%	70-130	10.28.2020 00:28	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-5 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-005 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.28.2020 17:35 % Moisture:

Seq Number: 3140874 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**429**	5.00	mg/kg	10.28.2020 20:20		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 21:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.27.2020 21:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 21:52	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.27.2020 21:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	10.27.2020 21:52	
o-Terphenyl	84-15-1	115	%	70-130	10.27.2020 21:52	

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Dragon 36 St 4H

Sample Id:	**H-5 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676177-005	Date Collected:	10.26.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.27.2020 14:00	% Moisture:	
Seq Number:	3140791			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.28.2020 00:48	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.28.2020 00:48	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.28.2020 00:48	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.28.2020 00:48	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.28.2020 00:48	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.28.2020 00:48	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.28.2020 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	10.28.2020 00:48	
1,4-Difluorobenzene	540-36-3	86	%	70-130	10.28.2020 00:48	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-6 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-006 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.28.2020 17:35 % Moisture:

Seq Number: 3140874 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.7**	4.99	mg/kg	10.28.2020 20:26		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 22:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.27.2020 22:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 22:11	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.27.2020 22:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-130	10.27.2020 22:11	
o-Terphenyl	84-15-1	129	%	70-130	10.27.2020 22:11	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-6 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-006 Date Collected: 10.26.2020 00:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 10.27.2020 14:00 % Moisture:

Seq Number: 3140791 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.28.2020 01:09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.28.2020 01:09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.28.2020 01:09	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.28.2020 01:09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.28.2020 01:09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.28.2020 01:09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.28.2020 01:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	10.28.2020 01:09	
1,4-Difluorobenzene	540-36-3	98	%	70-130	10.28.2020 01:09	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-7 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-007 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.28.2020 17:35 % Moisture:

Seq Number: 3140874 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**291**	5.04	mg/kg	10.28.2020 20:45		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.27.2020 22:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.27.2020 22:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.27.2020 22:29	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.27.2020 22:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	10.27.2020 22:29	
o-Terphenyl	84-15-1	117	%	70-130	10.27.2020 22:29	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **H-7 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676177-007 Date Collected: 10.26.2020 00:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 10.27.2020 14:00 % Moisture:

Seq Number: 3140791 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.28.2020 01:30	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.28.2020 01:30	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.28.2020 01:30	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.28.2020 01:30	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.28.2020 01:30	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.28.2020 01:30	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.28.2020 01:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.28.2020 01:30	
4-Bromofluorobenzene	460-00-4	108	%	70-130	10.28.2020 01:30	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**H-8 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676177-008	Date Collected:	10.26.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	10.28.2020 17:35	% Moisture:	
Seq Number:	3140874			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**119**	5.01	mg/kg	10.28.2020 20:52		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.27.2020 16:00	% Moisture:	
Seq Number:	3140779			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 22:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	**94.5**	50.0	mg/kg	10.27.2020 22:48		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 22:48	U	1
Total TPH	PHC635	**94.5**	50.0	mg/kg	10.27.2020 22:48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	10.27.2020 22:48	
o-Terphenyl	84-15-1	128	%	70-130	10.27.2020 22:48	

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Dragon 36 St 4H

Sample Id:	**H-8 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676177-008	Date Collected:	10.26.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.27.2020 14:00	% Moisture:	
Seq Number:	3140791			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.28.2020 01:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.28.2020 01:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.28.2020 01:50	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.28.2020 01:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.28.2020 01:50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.28.2020 01:50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.28.2020 01:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	10.28.2020 01:50	
1,4-Difluorobenzene	540-36-3	84	%	70-130	10.28.2020 01:50	

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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.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

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

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QC Summary 676177

Tetra Tech- Midland

Dragon 36 St 4H

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3140874 — Matrix: Solid — Date Prep: 10.28.2020
MB Sample Id: 7714125-1-BLK — LCS Sample Id: 7714125-1-BKS — LCSD Sample Id: 7714125-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	264	106	261	104	90-110	1	20	mg/kg	10.28.2020 18:46	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3140874 — Matrix: Soil — Date Prep: 10.28.2020
Parent Sample Id: 676175-009 — MS Sample Id: 676175-009 S — MSD Sample Id: 676175-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	153	249	409	103	405	101	90-110	1	20	mg/kg	10.28.2020 19:05	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3140874 — Matrix: Soil — Date Prep: 10.28.2020
Parent Sample Id: 676177-006 — MS Sample Id: 676177-006 S — MSD Sample Id: 676177-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	14.7	250	280	106	274	104	90-110	2	20	mg/kg	10.28.2020 20:33	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140779 — Matrix: Solid — Date Prep: 10.27.2020
MB Sample Id: 7714048-1-BLK — LCS Sample Id: 7714048-1-BKS — LCSD Sample Id: 7714048-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	838	84	914	91	70-130	9	20	mg/kg	10.27.2020 16:54	
Diesel Range Organics (DRO)	<50.0	1000	900	90	1050	105	70-130	15	20	mg/kg	10.27.2020 16:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	86		117		130		70-130	%	10.27.2020 16:54
o-Terphenyl	97		123		129		70-130	%	10.27.2020 16:54

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140779 — Matrix: Solid — Date Prep: 10.27.2020
MB Sample Id: 7714048-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.27.2020 16:35	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 676177

Tetra Tech- Midland

Dragon 36 St 4H

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3140779 Matrix: Soil Date Prep: 10.27.2020
Parent Sample Id: 676175-001 MS Sample Id: 676175-001 S MSD Sample Id: 676175-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	927	93	868	87	70-130	7	20	mg/kg	10.27.2020 17:50	
Diesel Range Organics (DRO)	102	997	1070	97	1070	97	70-130	0	20	mg/kg	10.27.2020 17:50	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		117		70-130	%	10.27.2020 17:50
o-Terphenyl	126		124		70-130	%	10.27.2020 17:50

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3140791 Matrix: Solid Date Prep: 10.27.2020
MB Sample Id: 7714073-1-BLK LCS Sample Id: 7714073-1-BKS LCSD Sample Id: 7714073-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0811	81	0.0770	77	70-130	5	35	mg/kg	10.27.2020 15:49	
Toluene	<0.00200	0.100	0.0935	94	0.0886	89	70-130	5	35	mg/kg	10.27.2020 15:49	
Ethylbenzene	<0.00200	0.100	0.103	103	0.0962	96	70-130	7	35	mg/kg	10.27.2020 15:49	
m,p-Xylenes	<0.00400	0.200	0.210	105	0.196	98	70-130	7	35	mg/kg	10.27.2020 15:49	
o-Xylene	<0.00200	0.100	0.101	101	0.0932	93	70-130	8	35	mg/kg	10.27.2020 15:49	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		95		95		70-130	%	10.27.2020 15:49
4-Bromofluorobenzene	97		110		106		70-130	%	10.27.2020 15:49

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3141111 Matrix: Solid Date Prep: 10.30.2020
MB Sample Id: 7714316-1-BLK LCS Sample Id: 7714316-1-BKS LCSD Sample Id: 7714316-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0852	85	0.0843	84	70-130	1	35	mg/kg	10.31.2020 21:38	
Toluene	<0.00200	0.100	0.101	101	0.0972	97	70-130	4	35	mg/kg	10.31.2020 21:38	
Ethylbenzene	<0.00200	0.100	0.108	108	0.103	103	70-130	5	35	mg/kg	10.31.2020 21:38	
m,p-Xylenes	<0.00400	0.200	0.219	110	0.208	104	70-130	5	35	mg/kg	10.31.2020 21:38	
o-Xylene	<0.00200	0.100	0.108	108	0.103	103	70-130	5	35	mg/kg	10.31.2020 21:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		89		91		70-130	%	10.31.2020 21:38
4-Bromofluorobenzene	86		112		108		70-130	%	10.31.2020 21:38

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 676177

Tetra Tech- Midland

Dragon 36 St 4H

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3140791 Matrix: Soil Date Prep: 10.27.2020

Parent Sample Id: 676099-001 MS Sample Id: 676099-001 S MSD Sample Id: 676099-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0648	65	0.0652	65	70-130	1	35	mg/kg	10.27.2020 16:30	X
Toluene	<0.00200	0.0998	0.0748	75	0.0748	75	70-130	0	35	mg/kg	10.27.2020 16:30	
Ethylbenzene	<0.00200	0.0998	0.0789	79	0.0789	79	70-130	0	35	mg/kg	10.27.2020 16:30	
m,p-Xylenes	<0.00399	0.200	0.161	81	0.161	81	70-130	0	35	mg/kg	10.27.2020 16:30	
o-Xylene	<0.00200	0.0998	0.0773	77	0.0775	78	70-130	0	35	mg/kg	10.27.2020 16:30	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		96		70-130	%	10.27.2020 16:30
4-Bromofluorobenzene	106		106		70-130	%	10.27.2020 16:30

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3141111 Matrix: Soil Date Prep: 10.30.2020

Parent Sample Id: 676177-001 MS Sample Id: 676177-001 S MSD Sample Id: 676177-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0717	72	0.0694	70	70-130	3	35	mg/kg	10.31.2020 22:19	
Toluene	<0.00200	0.0998	0.0699	70	0.0815	82	70-130	15	35	mg/kg	10.31.2020 22:19	
Ethylbenzene	<0.00200	0.0998	0.0671	67	0.0863	86	70-130	25	35	mg/kg	10.31.2020 22:19	X
m,p-Xylenes	<0.00399	0.200	0.129	65	0.173	87	70-130	29	35	mg/kg	10.31.2020 22:19	X
o-Xylene	<0.00200	0.0998	0.0637	64	0.0856	86	70-130	29	35	mg/kg	10.31.2020 22:19	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		88		70-130	%	10.31.2020 22:19
4-Bromofluorobenzene	91		111		70-130	%	10.31.2020 22:19

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

Analysis Request of Chain of Custody Record

676177

Page 1 of 1

Tetra Tech, Inc.

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

Client Name: EOG	**Site Manager:** Mike Carmona
Project Name: Dragon 36 St 4H	
Project Location: (county, state) Lea County, New Mexico	**Project #:** 212C-MD-02345
Invoice to: Todd Wells	
Receiving Laboratory: Xenco	**Sampler Signature:** Devin Dominguez
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R			Hold
	H-1 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	H-2 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	H-3 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	H-4 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	H-5 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	H-6 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	H-7 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	H-8 (0-1')	10/26/2020			X				X			1	N	X		X												X							

Relinquished by: Date: 10/27 Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

LAB USE ONLY

Sample Temperature -3.6/-3.1

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 10.27.2020 02.20.00 PM

Work Order #: 676177

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

Temperature Measuring device used : IR-8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	-3.1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	BTEX was in bulk container
#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)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 10.27.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 10.28.2020
Jessica Kramer

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Certificate of Analysis Summary 676175

Tetra Tech- Midland, Midland, TX

Project Name: Dragon 36 St 4H

Project Id: 212C-MD-02345
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Tue 10.27.2020 14:20
Report Date: 11.04.2020 16:36
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	676175-001		676175-002		676175-003		676175-004		676175-005		676175-006	
	Field Id:	AH-1 (0-1')		AH-1 (1-1.5')		AH-2 (0-1')		AH-2 (1-1.5')		AH-3 (0-1')		AH-3 (1-1.5')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.29.2020 17:00				10.29.2020 17:00				10.29.2020 17:00			
	Analyzed:	10.30.2020 00:09				10.30.2020 10:30				10.30.2020 10:51			
	Units/RL:	mg/kg	RL			mg/kg	RL			mg/kg	RL		
Benzene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Toluene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Ethylbenzene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
m,p-Xylenes		<0.00399	0.00399			<0.00399	0.00399			<0.00399	0.00399		
o-Xylene		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Total Xylenes		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Total BTEX		<0.00200	0.00200			<0.00200	0.00200			<0.00200	0.00200		
Inorganic Anions by EPA 300/300.1	***Extracted:***	10.28.2020 11:55		10.28.2020 11:55		10.28.2020 11:55		10.28.2020 11:55		10.28.2020 11:55		10.28.2020 11:55	
	Analyzed:	10.28.2020 14:17		10.28.2020 14:43		10.28.2020 14:48		10.28.2020 16:08		10.28.2020 16:14		10.28.2020 16:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		22200	248	15400	100	415	4.98	85.5	4.95	293	4.95	455	4.95
TPH By SW8015 Mod	***Extracted:***	10.27.2020 16:00		11.03.2020 15:00		10.27.2020 16:00				10.27.2020 16:00			
	Analyzed:	10.27.2020 17:31		11.04.2020 08:19		10.27.2020 18:27				10.27.2020 18:46			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0			<50.0	50.0		
Diesel Range Organics (DRO)		102	50.0	<50.0	50.0	<50.0	50.0			<50.0	50.0		
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0			<50.0	50.0		
Total TPH		102	50.0	<50.0	50.0	<50.0	50.0			<50.0	50.0		

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 676175

Tetra Tech- Midland, Midland, TX

Project Name: Dragon 36 St 4H

Project Id: 212C-MD-02345
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Tue 10.27.2020 14:20
Report Date: 11.04.2020 16:36
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	676175-007		676175-008		676175-009		676175-010		676175-011		676175-012	
	Field Id:	AH-4 (0-1')		AH-5 (0-1')		AH-5 (1-1.5')		AH-6 (0-1')		AH-6 (1-1.5')		AH-7 (0-1')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00		10.26.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.29.2020 17:00		10.29.2020 17:00				10.30.2020 14:00				10.30.2020 14:00	
	Analyzed:	10.30.2020 11:11		10.30.2020 11:32				10.30.2020 17:11				10.30.2020 17:31	
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL			mg/kg	RL
Benzene		<0.00198	0.00198	<0.00199	0.00199			<0.00202	0.00202			<0.00201	0.00201
Toluene		<0.00198	0.00198	<0.00199	0.00199			<0.00202	0.00202			<0.00201	0.00201
Ethylbenzene		<0.00198	0.00198	<0.00199	0.00199			<0.00202	0.00202			<0.00201	0.00201
m,p-Xylenes		<0.00396	0.00396	<0.00398	0.00398			<0.00403	0.00403			<0.00402	0.00402
o-Xylene		<0.00198	0.00198	<0.00199	0.00199			<0.00202	0.00202			<0.00201	0.00201
Total Xylenes		<0.00198	0.00198	<0.00199	0.00199			<0.00202	0.00202			<0.00201	0.00201
Total BTEX		<0.00198	0.00198	<0.00199	0.00199			<0.00202	0.00202			<0.00201	0.00201
Inorganic Anions by EPA 300/300.1	***Extracted:***	10.28.2020 11:55		10.28.2020 11:55		10.28.2020 17:35		10.28.2020 17:35		10.28.2020 17:35		10.28.2020 17:35	
	Analyzed:	10.28.2020 16:24		10.28.2020 16:29		10.28.2020 18:59		10.28.2020 19:17		10.28.2020 19:24		10.28.2020 19:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		11100	101	213	4.97	153	4.98	7350	50.1	3940	25.1	7700	50.3
TPH By SW8015 Mod	***Extracted:***	10.27.2020 16:00		10.27.2020 16:00				10.27.2020 16:00				10.27.2020 16:00	
	Analyzed:	10.27.2020 19:05		10.27.2020 19:23				10.27.2020 19:42				10.27.2020 20:01	
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL			mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.9	49.9			<50.0	50.0			<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<49.9	49.9			<50.0	50.0			63.8	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.9	49.9			<50.0	50.0			<50.0	50.0
Total TPH		<49.8	49.8	<49.9	49.9			<50.0	50.0			63.8	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 676175

Tetra Tech- Midland, Midland, TX

Project Name: Dragon 36 St 4H

Project Id: 212C-MD-02345
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Tue 10.27.2020 14:20
Report Date: 11.04.2020 16:36
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	676175-013					
	Field Id:	AH-7 (1'-1.5')					
	Depth:						
	Matrix:	SOIL					
	Sampled:	10.26.2020 00:00					
Inorganic Anions by EPA 300/300.1	***Extracted:***	10.28.2020 17:35					
	Analyzed:	10.28.2020 19:36					
	Units/RL:	mg/kg	RL				
Chloride		1710	25.3				

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer

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Analytical Report 676175

for

Tetra Tech- Midland

Project Manager: Mike Carmona

Dragon 36 St 4H

212C-MD-02345

11.04.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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11.04.2020

Project Manager: **Mike Carmona**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **676175**
Dragon 36 St 4H
Project Address: Lea County, New Mexico

Mike Carmona:

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 Eurofins Xenco, LLC Report Number(s) 676175. 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 Eurofins Xenco, LLC. 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. 676175 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 Eurofins Xenco, LLC 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 Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH-1 (0-1')	S	10.26.2020 00:00		676175-001
AH-1 (1-1.5')	S	10.26.2020 00:00		676175-002
AH-2 (0-1')	S	10.26.2020 00:00		676175-003
AH-2 (1-1.5')	S	10.26.2020 00:00		676175-004
AH-3 (0-1')	S	10.26.2020 00:00		676175-005
AH-3 (1-1.5')	S	10.26.2020 00:00		676175-006
AH-4 (0-1')	S	10.26.2020 00:00		676175-007
AH-5 (0-1')	S	10.26.2020 00:00		676175-008
AH-5 (1-1.5')	S	10.26.2020 00:00		676175-009
AH-6 (0-1')	S	10.26.2020 00:00		676175-010
AH-6 (1-1.5')	S	10.26.2020 00:00		676175-011
AH-7 (0-1')	S	10.26.2020 00:00		676175-012
AH-7 (1'-1.5')	S	10.26.2020 00:00		676175-013

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CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Dragon 36 St 4H

Project ID: *212C-MD-02345*
Work Order Number(s): *676175*

Report Date: *11.04.2020*
Date Received: *10.27.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3140974 BTEX by EPA 8021B

Lab Sample ID 676175-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Benzene, Toluene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 676175-001, -003, -005, -007, -008.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-1 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-001	Date Collected:	10.26.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	SPC				
Analyst:	CHE	Date Prep:	10.28.2020 11:55	% Moisture:	
Seq Number:	3140821			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22200**	248	mg/kg	10.28.2020 14:17		50

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.27.2020 16:00	% Moisture:	
Seq Number:	3140779			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 17:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	**102**	50.0	mg/kg	10.27.2020 17:31		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 17:31	U	1
Total TPH	PHC635	**102**	50.0	mg/kg	10.27.2020 17:31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	10.27.2020 17:31	
o-Terphenyl	84-15-1	124	%	70-130	10.27.2020 17:31	

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-1 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-001	Date Collected:	10.26.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.29.2020 17:00	% Moisture:	
Seq Number:	3140974			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.30.2020 00:09	UX	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.30.2020 00:09	UX	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.30.2020 00:09	UX	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.30.2020 00:09	UX	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.30.2020 00:09	UX	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.30.2020 00:09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.30.2020 00:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	90	%	70-130	10.30.2020 00:09	
4-Bromofluorobenzene	460-00-4	92	%	70-130	10.30.2020 00:09	

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **AH-1 (1-1.5')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676175-002 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: CHE Date Prep: 10.28.2020 11:55 % Moisture:

Seq Number: 3140821 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15400**	100	mg/kg	10.28.2020 14:43		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 11.03.2020 15:00 % Moisture:

Seq Number: 3141318 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.04.2020 08:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.04.2020 08:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.04.2020 08:19	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.04.2020 08:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	11.04.2020 08:19	
o-Terphenyl	84-15-1	115	%	70-130	11.04.2020 08:19	

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **AH-2 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676175-003 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: CHE Date Prep: 10.28.2020 11:55 % Moisture:

Seq Number: 3140821 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**415**	4.98	mg/kg	10.28.2020 14:48		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 18:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.27.2020 18:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 18:27	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.27.2020 18:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	10.27.2020 18:27	
o-Terphenyl	84-15-1	115	%	70-130	10.27.2020 18:27	

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-2 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-003	Date Collected:	10.26.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.29.2020 17:00	% Moisture:	
Seq Number:	3140974			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.30.2020 10:30	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.30.2020 10:30	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.30.2020 10:30	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.30.2020 10:30	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.30.2020 10:30	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.30.2020 10:30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.30.2020 10:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	10.30.2020 10:30	
4-Bromofluorobenzene	460-00-4	96	%	70-130	10.30.2020 10:30	

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-2 (1-1.5')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-004	Date Collected:	10.26.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	SPC				
Analyst:	CHE	Date Prep:	10.28.2020 11:55	% Moisture:	
Seq Number:	3140821			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**85.5**	4.95	mg/kg	10.28.2020 16:08		1

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **AH-3 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676175-005 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: CHE Date Prep: 10.28.2020 11:55 % Moisture:

Seq Number: 3140821 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**293**	4.95	mg/kg	10.28.2020 16:14		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 18:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.27.2020 18:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 18:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.27.2020 18:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	10.27.2020 18:46	
o-Terphenyl	84-15-1	116	%	70-130	10.27.2020 18:46	

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-3 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-005	Date Collected:	10.26.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.29.2020 17:00	% Moisture:	
Seq Number:	3140974			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.30.2020 10:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.30.2020 10:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.30.2020 10:51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.30.2020 10:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.30.2020 10:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.30.2020 10:51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.30.2020 10:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	10.30.2020 10:51	
1,4-Difluorobenzene	540-36-3	95	%	70-130	10.30.2020 10:51	

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-3 (1-1.5')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-006	Date Collected:	10.26.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	SPC				
Analyst:	CHE	Date Prep:	10.28.2020 11:55	% Moisture:	
Seq Number:	3140821			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**455**	4.95	mg/kg	10.28.2020 16:19		1

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **AH-4 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676175-007 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: CHE Date Prep: 10.28.2020 11:55 % Moisture:

Seq Number: 3140821 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11100**	101	mg/kg	10.28.2020 16:24		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.27.2020 19:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.27.2020 19:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.27.2020 19:05	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.27.2020 19:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	10.27.2020 19:05	
o-Terphenyl	84-15-1	118	%	70-130	10.27.2020 19:05	

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-4 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-007	Date Collected:	10.26.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.29.2020 17:00	% Moisture:	
Seq Number:	3140974			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.30.2020 11:11	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.30.2020 11:11	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.30.2020 11:11	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	10.30.2020 11:11	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.30.2020 11:11	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.30.2020 11:11	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.30.2020 11:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	10.30.2020 11:11	
1,4-Difluorobenzene	540-36-3	87	%	70-130	10.30.2020 11:11	

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Certificate of Analytical Results 676175

Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-5 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-008	Date Collected:	10.26.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	SPC				
Analyst:	CHE	Date Prep:	10.28.2020 11:55	% Moisture:	
Seq Number:	3140821			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**213**	4.97	mg/kg	10.28.2020 16:29		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.27.2020 16:00	% Moisture:	
Seq Number:	3140779			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.27.2020 19:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.27.2020 19:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.27.2020 19:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.27.2020 19:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	10.27.2020 19:23	
o-Terphenyl	84-15-1	124	%	70-130	10.27.2020 19:23	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **AH-5 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676175-008 Date Collected: 10.26.2020 00:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 10.29.2020 17:00 % Moisture:

Seq Number: 3140974 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.30.2020 11:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.30.2020 11:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.30.2020 11:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.30.2020 11:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.30.2020 11:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.30.2020 11:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.30.2020 11:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	89	%	70-130	10.30.2020 11:32	
4-Bromofluorobenzene	460-00-4	98	%	70-130	10.30.2020 11:32	

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Dragon 36 St 4H

Sample Id:	**AH-5 (1-1.5')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-009	Date Collected:	10.26.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	10.28.2020 17:35	% Moisture:	
Seq Number:	3140874			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**153**	4.98	mg/kg	10.28.2020 18:59		1

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **AH-6 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676175-010 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.28.2020 17:35 % Moisture:

Seq Number: 3140874 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7350**	50.1	mg/kg	10.28.2020 19:17		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 19:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.27.2020 19:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 19:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.27.2020 19:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-130	10.27.2020 19:42	
o-Terphenyl	84-15-1	126	%	70-130	10.27.2020 19:42	

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Dragon 36 St 4H

Sample Id: **AH-6 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676175-010 Date Collected: 10.26.2020 00:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 10.30.2020 14:00 % Moisture:

Seq Number: 3141106 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.30.2020 17:11	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.30.2020 17:11	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.30.2020 17:11	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	10.30.2020 17:11	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.30.2020 17:11	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.30.2020 17:11	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.30.2020 17:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	10.30.2020 17:11	
4-Bromofluorobenzene	460-00-4	89	%	70-130	10.30.2020 17:11	

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Dragon 36 St 4H

Sample Id:	**AH-6 (1-1.5')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-011	Date Collected:	10.26.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	10.28.2020 17:35	% Moisture:	
Seq Number:	3140874			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3940**	25.1	mg/kg	10.28.2020 19:24		5

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id: **AH-7 (0-1')** Matrix: Soil Date Received:10.27.2020 14:20

Lab Sample Id: 676175-012 Date Collected: 10.26.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.28.2020 17:35 % Moisture:

Seq Number: 3140874 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7700**	50.3	mg/kg	10.28.2020 19:30		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.27.2020 16:00 % Moisture:

Seq Number: 3140779 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 20:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	**63.8**	50.0	mg/kg	10.27.2020 20:01		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 20:01	U	1
Total TPH	PHC635	**63.8**	50.0	mg/kg	10.27.2020 20:01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	10.27.2020 20:01	
o-Terphenyl	84-15-1	125	%	70-130	10.27.2020 20:01	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-7 (0-1')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-012	Date Collected:	10.26.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.30.2020 14:00	% Moisture:	
Seq Number:	3141106			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.30.2020 17:31	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.30.2020 17:31	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.30.2020 17:31	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.30.2020 17:31	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.30.2020 17:31	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.30.2020 17:31	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.30.2020 17:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	10.30.2020 17:31	
1,4-Difluorobenzene	540-36-3	96	%	70-130	10.30.2020 17:31	

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Tetra Tech- Midland, Midland, TX

Dragon 36 St 4H

Sample Id:	**AH-7 (1'-1.5')**	Matrix:	Soil	Date Received:	10.27.2020 14:20
Lab Sample Id:	676175-013	Date Collected:	10.26.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	10.28.2020 17:35	% Moisture:	
Seq Number:	3140874			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1710**	25.3	mg/kg	10.28.2020 19:36		5

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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.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

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

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QC Summary 676175

Tetra Tech- Midland

Dragon 36 St 4H

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3140821 — Matrix: Solid — Date Prep: 10.28.2020
MB Sample Id: 7714074-1-BLK — LCS Sample Id: 7714074-1-BKS — LCSD Sample Id: 7714074-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	263	105	263	105	90-110	0	20	mg/kg	10.28.2020 12:23	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3140874 — Matrix: Solid — Date Prep: 10.28.2020
MB Sample Id: 7714125-1-BLK — LCS Sample Id: 7714125-1-BKS — LCSD Sample Id: 7714125-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	264	106	261	104	90-110	1	20	mg/kg	10.28.2020 18:46	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3140821 — Matrix: Soil — Date Prep: 10.28.2020
Parent Sample Id: 676000-090 — MS Sample Id: 676000-090 S — MSD Sample Id: 676000-090 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.3	249	279	103	279	103	90-110	0	20	mg/kg	10.28.2020 12:38	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3140821 — Matrix: Soil — Date Prep: 10.28.2020
Parent Sample Id: 676110-001 — MS Sample Id: 676110-001 S — MSD Sample Id: 676110-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.8	249	274	105	274	105	90-110	0	20	mg/kg	10.28.2020 13:52	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3140874 — Matrix: Soil — Date Prep: 10.28.2020
Parent Sample Id: 676175-009 — MS Sample Id: 676175-009 S — MSD Sample Id: 676175-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	153	249	409	103	405	101	90-110	1	20	mg/kg	10.28.2020 19:05	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3140874 — Matrix: Soil — Date Prep: 10.28.2020
Parent Sample Id: 676177-006 — MS Sample Id: 676177-006 S — MSD Sample Id: 676177-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	14.7	250	280	106	274	104	90-110	2	20	mg/kg	10.28.2020 20:33	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 676175

Tetra Tech- Midland

Dragon 36 St 4H

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3140779 Matrix: Solid Date Prep: 10.27.2020
MB Sample Id: 7714048-1-BLK LCS Sample Id: 7714048-1-BKS LCSD Sample Id: 7714048-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	838	84	914	91	70-130	9	20	mg/kg	10.27.2020 16:54	
Diesel Range Organics (DRO)	<50.0	1000	900	90	1050	105	70-130	15	20	mg/kg	10.27.2020 16:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	86		117		130		70-130	%	10.27.2020 16:54
o-Terphenyl	97		123		129		70-130	%	10.27.2020 16:54

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3141318 Matrix: Solid Date Prep: 11.03.2020
MB Sample Id: 7714444-1-BLK LCS Sample Id: 7714444-1-BKS LCSD Sample Id: 7714444-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	916	92	937	94	70-130	2	20	mg/kg	11.03.2020 21:14	
Diesel Range Organics (DRO)	<50.0	1000	1070	107	1090	109	70-130	2	20	mg/kg	11.03.2020 21:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		103		118		70-130	%	11.03.2020 21:14
o-Terphenyl	121		113		116		70-130	%	11.03.2020 21:14

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3140779 Matrix: Solid Date Prep: 10.27.2020
MB Sample Id: 7714048-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.27.2020 16:35	

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3141318 Matrix: Solid Date Prep: 11.03.2020
MB Sample Id: 7714444-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.03.2020 20:55	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 676175

Tetra Tech- Midland

Dragon 36 St 4H

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3140779 Matrix: Soil Date Prep: 10.27.2020
Parent Sample Id: 676175-001 MS Sample Id: 676175-001 S MSD Sample Id: 676175-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	927	93	868	87	70-130	7	20	mg/kg	10.27.2020 17:50	
Diesel Range Organics (DRO)	102	997	1070	97	1070	97	70-130	0	20	mg/kg	10.27.2020 17:50	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		117		70-130	%	10.27.2020 17:50
o-Terphenyl	126		124		70-130	%	10.27.2020 17:50

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3141318 Matrix: Soil Date Prep: 11.03.2020
Parent Sample Id: 676697-021 MS Sample Id: 676697-021 S MSD Sample Id: 676697-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	940	94	945	95	70-130	1	20	mg/kg	11.03.2020 22:12	
Diesel Range Organics (DRO)	<49.9	997	1110	111	1170	117	70-130	5	20	mg/kg	11.03.2020 22:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		102		70-130	%	11.03.2020 22:12
o-Terphenyl	121		123		70-130	%	11.03.2020 22:12

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3140974 Matrix: Solid Date Prep: 10.29.2020
MB Sample Id: 7714208-1-BLK LCS Sample Id: 7714208-1-BKS LCSD Sample Id: 7714208-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0874	87	0.0783	78	70-130	11	35	mg/kg	10.29.2020 21:47	
Toluene	<0.00200	0.100	0.0870	87	0.0813	81	70-130	7	35	mg/kg	10.29.2020 21:47	
Ethylbenzene	<0.00200	0.100	0.0884	88	0.0844	84	70-130	5	35	mg/kg	10.29.2020 21:47	
m,p-Xylenes	<0.00400	0.200	0.175	88	0.165	83	70-130	6	35	mg/kg	10.29.2020 21:47	
o-Xylene	<0.00200	0.100	0.0900	90	0.0846	85	70-130	6	35	mg/kg	10.29.2020 21:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		101		98		70-130	%	10.29.2020 21:47
4-Bromofluorobenzene	90		103		98		70-130	%	10.29.2020 21:47

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 676175

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Tetra Tech- Midland

Dragon 36 St 4H

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3141106 — Matrix: Solid — Date Prep: 10.30.2020
MB Sample Id: 7714313-1-BLK — LCS Sample Id: 7714313-1-BKS — LCSD Sample Id: 7714313-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0808	81	0.0869	87	70-130	7	35	mg/kg	10.30.2020 14:48	
Toluene	<0.00200	0.100	0.0967	97	0.0922	92	70-130	5	35	mg/kg	10.30.2020 14:48	
Ethylbenzene	<0.00200	0.100	0.0992	99	0.0951	95	70-130	4	35	mg/kg	10.30.2020 14:48	
m,p-Xylenes	<0.00400	0.200	0.200	100	0.192	96	70-130	4	35	mg/kg	10.30.2020 14:48	
o-Xylene	<0.00200	0.100	0.0971	97	0.0931	93	70-130	4	35	mg/kg	10.30.2020 14:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		93		94		70-130	%	10.30.2020 14:48
4-Bromofluorobenzene	93		99		98		70-130	%	10.30.2020 14:48

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140974 — Matrix: Soil — Date Prep: 10.29.2020
Parent Sample Id: 676175-001 — MS Sample Id: 676175-001 S — MSD Sample Id: 676175-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0733	74	0.0639	64	70-130	14	35	mg/kg	10.29.2020 22:29	X
Toluene	<0.00198	0.0990	0.0732	74	0.0675	68	70-130	8	35	mg/kg	10.29.2020 22:29	X
Ethylbenzene	<0.00198	0.0990	0.0648	65	0.0654	66	70-130	1	35	mg/kg	10.29.2020 22:29	X
m,p-Xylenes	<0.00396	0.198	0.126	64	0.130	65	70-130	3	35	mg/kg	10.29.2020 22:29	X
o-Xylene	<0.00198	0.0990	0.0643	65	0.0651	65	70-130	1	35	mg/kg	10.29.2020 22:29	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		96		70-130	%	10.29.2020 22:29
4-Bromofluorobenzene	107		104		70-130	%	10.29.2020 22:29

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3141106 — Matrix: Soil — Date Prep: 10.30.2020
Parent Sample Id: 676175-010 — MS Sample Id: 676175-010 S — MSD Sample Id: 676175-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0850	85	0.0858	86	70-130	1	35	mg/kg	10.30.2020 15:29	
Toluene	<0.00200	0.0998	0.0861	86	0.0870	87	70-130	1	35	mg/kg	10.30.2020 15:29	
Ethylbenzene	<0.00200	0.0998	0.0866	87	0.0874	87	70-130	1	35	mg/kg	10.30.2020 15:29	
m,p-Xylenes	<0.00399	0.200	0.172	86	0.173	87	70-130	1	35	mg/kg	10.30.2020 15:29	
o-Xylene	<0.00200	0.0998	0.0836	84	0.0841	84	70-130	1	35	mg/kg	10.30.2020 15:29	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		98		70-130	%	10.30.2020 15:29
4-Bromofluorobenzene	96		96		70-130	%	10.30.2020 15:29

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Analysis Request of Chain of Custody Record

676175

Tetra Tech, Inc.

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

Client Name: EOG	**Site Manager:** Mike Carmona
Project Name: Dragon 36 St 4H	
Project Location: (county, state) Lea County, New Mexico	**Project #:** 212C-MD-02345
Invoice to: Todd Wells	
Receiving Laboratory: Xenco	**Sampler Signature:** Devin Dominguez
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R			Hold
	AH-1 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	AH-1 (1'-1.5')	10/26/2020			X				X			1	N															X							
	AH-2 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	AH-2 (1'-1.5')	10/26/2020			X				X			1	N															X							
	AH-3 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	AH-3 (1'-1.5')	10/26/2020			X				X			1	N															X							
	AH-4 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	AH-5 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	AH-5 (1'-1.5')	10/26/2020			X				X			1	N															X							
	AH-6 (0-1')	10/26/2020			X				X			1	N	X		X												X							

Relinquished by:	Date: 10/27	Time:	Received by: Date: 10/27 Time: 1420
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature
-3.6 / -3.1

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

6776175

Tetra Tech, Inc.

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

Client Name: EOG	Site Manager: Mike Carmona
Project Name: Dragon 36 St 4H	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02345
Invoice to: Todd Wells	
Receiving Laboratory: Xenco	Sampler Signature: Devin Dominguez
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R			Hold
	AH-6 (1'-1.5')	10/26/2020			X				X			1	N															X							
	AH-7 (0-1')	10/26/2020			X				X			1	N	X		X												X							
	AH-7 (1'-1.5')	10/26/2020			X				X			1	N															X							

Relinquished by: Date: 10/27 Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

LAB USE ONLY

Sample Temperature -3.6 / -3.1

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 10.27.2020 02.20.00 PM

Work Order #: 676175

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

Temperature Measuring device used : IR-8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	-3.1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	BTEX was in bulk container
#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)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 10.27.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 10.28.2020
Jessica Kramer

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-161-1
Laboratory Sample Delivery Group: 212C-MD-02345
Client Project/Site: Dragon 36 State 4H

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

Attn: Clair Gonzales

Authorized for release by:
2/19/2021 3:07:54 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Laboratory Job ID: 890-161-1
SDG: 212C-MD-02345

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-161-1
Project/Site: Dragon 36 State 4H SDG: 212C-MD-02345

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Subcontract

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Job ID: 890-161-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-161-1

Receipt
The samples were received on 2/9/2021 9:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

GC 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.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

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

Lab Sample ID: 890-161-1
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 20:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 20:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 20:32	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 20:32	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 20:32	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/10/21 09:32	02/10/21 20:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*106*		*70 - 130*	*02/10/21 09:32*	*02/10/21 20:32*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/10/21 09:32*	*02/10/21 20:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1270**		9.94		mg/Kg			02/10/21 03:32	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		02/10/21 17:00	02/10/21 23:14	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/10/21 17:00	02/10/21 23:14	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/10/21 17:00	02/10/21 23:14	1
Total TPH	<50.0	U	50.0		mg/kg		02/10/21 17:00	02/10/21 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 135*	*02/10/21 17:00*	*02/10/21 23:14*	*1*
o-Terphenyl	*119*		*70 - 135*	*02/10/21 17:00*	*02/10/21 23:14*	*1*

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

Lab Sample ID: 890-161-2
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1230**		10.1		mg/Kg			02/10/21 03:38	1

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

Lab Sample ID: 890-161-3
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**414**	**F1**	9.96		mg/Kg			02/10/21 03:43	1

Client Sample ID: T-4 (0-1')

Lab Sample ID: 890-161-4
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0196	U	0.0196		mg/Kg		02/10/21 09:32	02/10/21 20:54	1
Ethylbenzene	<0.0196	U	0.0196		mg/Kg		02/10/21 09:32	02/10/21 20:54	1
Toluene	<0.0196	U	0.0196		mg/Kg		02/10/21 09:32	02/10/21 20:54	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Client Sample ID: T-4 (0-1')

Lab Sample ID: 890-161-4
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0196	U	0.0196		mg/Kg		02/10/21 09:32	02/10/21 20:54	1
Xylenes, Total	<0.0196	U	0.0196		mg/Kg		02/10/21 09:32	02/10/21 20:54	1
m,p-Xylenes	<0.0392	U	0.0392		mg/Kg		02/10/21 09:32	02/10/21 20:54	1
o-Xylene	<0.0196	U	0.0196		mg/Kg		02/10/21 09:32	02/10/21 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*102*		*70 - 130*	*02/10/21 09:32*	*02/10/21 20:54*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*02/10/21 09:32*	*02/10/21 20:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9420**		202		mg/Kg			02/10/21 04:00	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8	U	49.8		mg/kg		02/10/21 17:00	02/11/21 00:17	1
Gasoline Range Hydrocarbons (GRO)	<49.8	U	49.8		mg/kg		02/10/21 17:00	02/11/21 00:17	1
Motor Oil Range Hydrocarbons (MRO)	<49.8	U	49.8		mg/kg		02/10/21 17:00	02/11/21 00:17	1
Total TPH	<49.8	U	49.8		mg/kg		02/10/21 17:00	02/11/21 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 135*	*02/10/21 17:00*	*02/11/21 00:17*	*1*
o-Terphenyl	*115*		*70 - 135*	*02/10/21 17:00*	*02/11/21 00:17*	*1*

Client Sample ID: T-4 (1')

Lab Sample ID: 890-161-5
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		9.92		mg/Kg			02/10/21 04:06	1

Client Sample ID: T-4 (2')

Lab Sample ID: 890-161-6
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**405**		10.0		mg/Kg			02/10/21 04:23	1

Client Sample ID: T-4 (3')

Lab Sample ID: 890-161-7
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		9.92		mg/Kg			02/10/21 04:29	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Client Sample ID: T-6 (0-1')

Lab Sample ID: 890-161-8
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/11/21 16:38	02/12/21 05:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/21 16:38	02/12/21 05:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/21 16:38	02/12/21 05:45	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/11/21 16:38	02/12/21 05:45	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/11/21 16:38	02/12/21 05:45	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/11/21 16:38	02/12/21 05:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/21 16:38	02/12/21 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*103*		*70 - 130*	*02/11/21 16:38*	*02/12/21 05:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/11/21 16:38*	*02/12/21 05:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.4**		9.98		mg/Kg			02/10/21 04:34	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		02/10/21 17:00	02/11/21 00:38	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/10/21 17:00	02/11/21 00:38	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/10/21 17:00	02/11/21 00:38	1
Total TPH	<50.0	U	50.0		mg/kg		02/10/21 17:00	02/11/21 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 135*	*02/10/21 17:00*	*02/11/21 00:38*	*1*
o-Terphenyl	*118*		*70 - 135*	*02/10/21 17:00*	*02/11/21 00:38*	*1*

Client Sample ID: T-6 (1')

Lab Sample ID: 890-161-9
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.1**		9.92		mg/Kg			02/10/21 04:40	1

Client Sample ID: T-6 (2')

Lab Sample ID: 890-161-10
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**60.8**		9.98		mg/Kg			02/10/21 04:46	1

Client Sample ID: T-6 (3')

Lab Sample ID: 890-161-11
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.3**		10.0		mg/Kg			02/10/21 04:51	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Client Sample ID: T-7 (0-1')

Lab Sample ID: 890-161-12
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/12/21 06:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/12/21 06:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/12/21 06:08	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/12/21 06:08	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/12/21 06:08	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/11/21 16:38	02/12/21 06:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/12/21 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*105*		*70 - 130*	*02/11/21 16:38*	*02/12/21 06:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*02/11/21 16:38*	*02/12/21 06:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8260		200		mg/Kg			02/10/21 04:57	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		02/10/21 17:00	02/11/21 00:59	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		02/10/21 17:00	02/11/21 00:59	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		02/10/21 17:00	02/11/21 00:59	1
Total TPH	<49.9	U	49.9		mg/kg		02/10/21 17:00	02/11/21 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 135*	*02/10/21 17:00*	*02/11/21 00:59*	*1*
o-Terphenyl	*118*		*70 - 135*	*02/10/21 17:00*	*02/11/21 00:59*	*1*

Client Sample ID: T-7 (1')

Lab Sample ID: 890-161-13
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		9.90		mg/Kg			02/11/21 02:54	1

Client Sample ID: T-7 (2')

Lab Sample ID: 890-161-14
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	685		10.0		mg/Kg			02/11/21 02:59	1

Client Sample ID: T-7 (3')

Lab Sample ID: 890-161-15
Matrix: Solid
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	225		9.98		mg/Kg			02/11/21 03:16	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DFBZ1 (70-130)	BFB1 (70-130)
890-161-1	AH-1 (0-1')	106	91
890-161-4	T-4 (0-1')	102	90
890-161-8	T-6 (0-1')	103	96
890-161-12	T-7 (0-1')	105	95
890-165-A-1-E MS	Matrix Spike	99	88
890-165-A-1-F MSD	Matrix Spike Duplicate	102	82
890-168-A-23-E MS	Matrix Spike	99	87
890-168-A-23-F MSD	Matrix Spike Duplicate	98	83
LCS 890-231/2-A	Lab Control Sample	101	82
LCS 890-253/2-A	Lab Control Sample	98	83
LCSD 890-231/3-A	Lab Control Sample Dup	96	83
LCSD 890-253/3-A	Lab Control Sample Dup	99	85
MB 890-231/1-A	Method Blank	104	85
MB 890-253/1-A	Method Blank	103	87

Surrogate Legend

DFBZ = 1,4-Difluorobenzene

BFB = 4-Bromofluorobenzene (Surr)

Method: TPH SW8015_MOD - SW846 8015B DRO

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)
890-161-1	AH-1 (0-1')	100	119
890-161-4	T-4 (0-1')	99	115
890-161-8	T-6 (0-1')	102	118
890-161-12	T-7 (0-1')	101	118

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 890-231/1-A
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 11:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 11:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 11:10	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 11:10	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 11:10	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/10/21 09:32	02/10/21 11:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:32	02/10/21 11:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*104*		*70 - 130*	*02/10/21 09:32*	*02/10/21 11:10*	*1*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/10/21 09:32*	*02/10/21 11:10*	*1*

Lab Sample ID: LCS 890-231/2-A
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09999		mg/Kg		100	70 - 130		
Ethylbenzene			0.100	0.09380		mg/Kg		94	71 - 129		
Toluene			0.100	0.09761		mg/Kg		98	70 - 130		
m,p-Xylenes			0.200	0.1824		mg/Kg		91	70 - 135		
o-Xylene			0.100	0.09269		mg/Kg		93	71 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: LCSD 890-231/3-A
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 231

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1014		mg/Kg		101	70 - 130	1	35
Ethylbenzene			0.100	0.09877		mg/Kg		99	71 - 129	5	35
Toluene			0.100	0.1004		mg/Kg		100	70 - 130	3	35
m,p-Xylenes			0.200	0.1918		mg/Kg		96	70 - 135	5	35
o-Xylene			0.100	0.09634		mg/Kg		96	71 - 133	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: 890-165-A-1-E MS
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 231

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.0998	0.09856		mg/Kg		99	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-161-1
Project/Site: Dragon 36 State 4H SDG: 212C-MD-02345

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

Lab Sample ID: 890-165-A-1-E MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 234 **Prep Batch: 231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.0998	0.09984		mg/Kg		100	71 - 129
Toluene	<0.00200	U	0.0998	0.1021		mg/Kg		102	70 - 130
m,p-Xylenes	<0.00401	U	0.200	0.1952		mg/Kg		98	70 - 135
o-Xylene	<0.00200	U	0.0998	0.09641		mg/Kg		97	71 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: 890-165-A-1-F MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 234 **Prep Batch: 231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.1108		mg/Kg		111	70 - 130	12	35
Ethylbenzene	<0.00200	U	0.0998	0.1074		mg/Kg		108	71 - 129	7	35
Toluene	<0.00200	U	0.0998	0.1099		mg/Kg		110	70 - 130	7	35
m,p-Xylenes	<0.00401	U	0.200	0.2099		mg/Kg		105	70 - 135	7	35
o-Xylene	<0.00200	U	0.0998	0.1044		mg/Kg		105	71 - 133	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Difluorobenzene	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: MB 890-253/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 234 **Prep Batch: 253**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*103*		*70 - 130*	*02/11/21 16:38*	*02/11/21 23:25*	*1*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/11/21 16:38*	*02/11/21 23:25*	*1*

Lab Sample ID: LCS 890-253/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 234 **Prep Batch: 253**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09809		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09631		mg/Kg		96	71 - 129

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

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

Lab Sample ID: LCS 890-253/2-A
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 253

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.09946		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.1891		mg/Kg		95	70 - 135
o-Xylene	0.100	0.09614		mg/Kg		96	71 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: LCSD 890-253/3-A
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 253

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1013		mg/Kg		101	70 - 130	3	35
Ethylbenzene	0.100	0.09747		mg/Kg		97	71 - 129	1	35
Toluene	0.100	0.1015		mg/Kg		101	70 - 130	2	35
m,p-Xylenes	0.200	0.1883		mg/Kg		94	70 - 135	0	35
o-Xylene	0.100	0.09731		mg/Kg		97	71 - 133	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: 890-168-A-23-E MS
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.0182	U	0.893	0.8621		mg/Kg		96	70 - 130
Ethylbenzene	<0.0182	U	0.893	0.8315		mg/Kg		93	71 - 129
Toluene	<0.0182	U	0.893	0.8707		mg/Kg		98	70 - 130
m,p-Xylenes	<0.0364	U	1.79	1.626		mg/Kg		91	70 - 135
o-Xylene	<0.0182	U	0.893	0.8306		mg/Kg		92	71 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-168-A-23-F MSD
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.0182	U	0.962	0.9516		mg/Kg		98	70 - 130	10	35
Ethylbenzene	<0.0182	U	0.962	0.9222		mg/Kg		96	71 - 129	10	35
Toluene	<0.0182	U	0.962	0.9529		mg/Kg		99	70 - 130	9	35
m,p-Xylenes	<0.0364	U	1.92	1.800		mg/Kg		94	70 - 135	10	35
o-Xylene	<0.0182	U	0.962	0.9226		mg/Kg		95	71 - 133	10	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,4-Difluorobenzene	98		70 - 130
4-Bromofluorobenzene (Surr)	83		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 890-207/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/10/21 02:07	1

Lab Sample ID: LCS 890-207/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 218

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			500	526.6		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 890-207/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 218

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			500	523.6		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 890-161-3 MS — **Client Sample ID: AH-1 (2-2.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 218

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	414	F1	504	975.3	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 890-161-3 MSD — **Client Sample ID: AH-1 (2-2.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 218

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	414	F1	505	977.2	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: MB 890-228/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/11/21 01:00	1

Lab Sample ID: LCS 890-228/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 239

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			500	526.8		mg/Kg		105	90 - 110		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 890-228/3-A
Matrix: Solid
Analysis Batch: 239

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			500	524.8		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-169-A-3-B MS
Matrix: Solid
Analysis Batch: 239

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6600		500	6839	4	mg/Kg		47	90 - 110

Lab Sample ID: 890-169-A-3-C MSD
Matrix: Solid
Analysis Batch: 239

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6600		501	6927	4	mg/Kg		64	90 - 110	1	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Lab Sample ID: 7721298-1-BLK
Matrix: SOIL
Analysis Batch: 3150748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3150748_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50		50		mg/kg		02/10/21 17:00	02/10/21 22:10	1
Gasoline Range Hydrocarbons (GRO)	<50		50		mg/kg		02/10/21 17:00	02/10/21 22:10	1
Motor Oil Range Hydrocarbons (MRO)	<50		50		mg/kg		02/10/21 17:00	02/10/21 22:10	1

Lab Sample ID: 7721298-1-BKS
Matrix: SOIL
Analysis Batch: 3150748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3150748_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	953		mg/kg		95	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	945		mg/kg		95	70 - 135

Lab Sample ID: 7721298-1-BSD
Matrix: SOIL
Analysis Batch: 3150748

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3150748_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	975		mg/kg		98	70 - 135	2	20
Gasoline Range Hydrocarbons (GRO)	1000	932		mg/kg		93	70 - 135	1	20

Lab Sample ID: 687934-001 S
Matrix: SOIL
Analysis Batch: 3150748

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 3150748_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	<49.9		998	1000		mg/kg		100	70 - 135

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Method: TPH SW8015_MOD - SW846 8015B DRO (Continued)

Lab Sample ID: 687934-001 S
Matrix: SOIL
Analysis Batch: 3150748

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 3150748_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Hydrocarbons (GRO)	<49.9		998	1050		mg/kg		105	70 - 135		

Lab Sample ID: 687934-001 SD
Matrix: SOIL
Analysis Batch: 3150748

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 3150748_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<49.9		997	1020		mg/kg		102	70 - 135	2	20
Gasoline Range Hydrocarbons (GRO)	<49.9		997	1050		mg/kg		105	70 - 135	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

GC VOA

Prep Batch: 231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-161-1	AH-1 (0-1')	Total/NA	Solid	5035	
890-161-4	T-4 (0-1')	Total/NA	Solid	5035	
MB 890-231/1-A	Method Blank	Total/NA	Solid	5035	
LCS 890-231/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 890-231/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-165-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-165-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-161-1	AH-1 (0-1')	Total/NA	Solid	8021B	231
890-161-4	T-4 (0-1')	Total/NA	Solid	8021B	231
890-161-8	T-6 (0-1')	Total/NA	Solid	8021B	253
890-161-12	T-7 (0-1')	Total/NA	Solid	8021B	253
MB 890-231/1-A	Method Blank	Total/NA	Solid	8021B	231
MB 890-253/1-A	Method Blank	Total/NA	Solid	8021B	253
LCS 890-231/2-A	Lab Control Sample	Total/NA	Solid	8021B	231
LCS 890-253/2-A	Lab Control Sample	Total/NA	Solid	8021B	253
LCSD 890-231/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	231
LCSD 890-253/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	253
890-165-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	231
890-165-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	231
890-168-A-23-E MS	Matrix Spike	Total/NA	Solid	8021B	253
890-168-A-23-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	253

Prep Batch: 253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-161-8	T-6 (0-1')	Total/NA	Solid	5035	
890-161-12	T-7 (0-1')	Total/NA	Solid	5035	
MB 890-253/1-A	Method Blank	Total/NA	Solid	5035	
LCS 890-253/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 890-253/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-168-A-23-E MS	Matrix Spike	Total/NA	Solid	5035	
890-168-A-23-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

HPLC/IC

Leach Batch: 207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-161-1	AH-1 (0-1')	Soluble	Solid	DI Leach	
890-161-2	AH-1 (1-1.5')	Soluble	Solid	DI Leach	
890-161-3	AH-1 (2-2.5')	Soluble	Solid	DI Leach	
890-161-4	T-4 (0-1')	Soluble	Solid	DI Leach	
890-161-5	T-4 (1')	Soluble	Solid	DI Leach	
890-161-6	T-4 (2')	Soluble	Solid	DI Leach	
890-161-7	T-4 (3')	Soluble	Solid	DI Leach	
890-161-8	T-6 (0-1')	Soluble	Solid	DI Leach	
890-161-9	T-6 (1')	Soluble	Solid	DI Leach	
890-161-10	T-6 (2')	Soluble	Solid	DI Leach	
890-161-11	T-6 (3')	Soluble	Solid	DI Leach	
890-161-12	T-7 (0-1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

HPLC/IC (Continued)

Leach Batch: 207 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 890-207/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-207/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-207/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-161-3 MS	AH-1 (2-2.5')	Soluble	Solid	DI Leach	
890-161-3 MSD	AH-1 (2-2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-161-1	AH-1 (0-1')	Soluble	Solid	300.0	207
890-161-2	AH-1 (1-1.5')	Soluble	Solid	300.0	207
890-161-3	AH-1 (2-2.5')	Soluble	Solid	300.0	207
890-161-4	T-4 (0-1')	Soluble	Solid	300.0	207
890-161-5	T-4 (1')	Soluble	Solid	300.0	207
890-161-6	T-4 (2')	Soluble	Solid	300.0	207
890-161-7	T-4 (3')	Soluble	Solid	300.0	207
890-161-8	T-6 (0-1')	Soluble	Solid	300.0	207
890-161-9	T-6 (1')	Soluble	Solid	300.0	207
890-161-10	T-6 (2')	Soluble	Solid	300.0	207
890-161-11	T-6 (3')	Soluble	Solid	300.0	207
890-161-12	T-7 (0-1')	Soluble	Solid	300.0	207
MB 890-207/1-A	Method Blank	Soluble	Solid	300.0	207
LCS 890-207/2-A	Lab Control Sample	Soluble	Solid	300.0	207
LCSD 890-207/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	207
890-161-3 MS	AH-1 (2-2.5')	Soluble	Solid	300.0	207
890-161-3 MSD	AH-1 (2-2.5')	Soluble	Solid	300.0	207

Leach Batch: 228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-161-13	T-7 (1')	Soluble	Solid	DI Leach	
890-161-14	T-7 (2')	Soluble	Solid	DI Leach	
890-161-15	T-7 (3')	Soluble	Solid	DI Leach	
MB 890-228/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-228/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-228/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-169-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-169-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-161-13	T-7 (1')	Soluble	Solid	300.0	228
890-161-14	T-7 (2')	Soluble	Solid	300.0	228
890-161-15	T-7 (3')	Soluble	Solid	300.0	228
MB 890-228/1-A	Method Blank	Soluble	Solid	300.0	228
LCS 890-228/2-A	Lab Control Sample	Soluble	Solid	300.0	228
LCSD 890-228/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	228
890-169-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	228
890-169-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	228

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Subcontract

Analysis Batch: 3150748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-161-1	AH-1 (0-1')	Total/NA	Solid	TPH SW8015_MOD	3150748_P
890-161-4	T-4 (0-1')	Total/NA	Solid	TPH SW8015_MOD	3150748_P
890-161-8	T-6 (0-1')	Total/NA	Solid	TPH SW8015_MOD	3150748_P
890-161-12	T-7 (0-1')	Total/NA	Solid	TPH SW8015_MOD	3150748_P
7721298-1-BLK	Method Blank	Total/NA	SOIL	TPH SW8015_MOD	3150748_P
7721298-1-BKS	Lab Control Sample	Total/NA	SOIL	TPH SW8015_MOD	3150748_P
7721298-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	TPH SW8015_MOD	3150748_P
687934-001 S	Matrix Spike	Total/NA	SOIL	TPH SW8015_MOD	3150748_P
687934-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	TPH SW8015_MOD	3150748_P

Prep Batch: 3150748_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-161-1	AH-1 (0-1')	Total/NA	Solid	SW8015P	
890-161-4	T-4 (0-1')	Total/NA	Solid	SW8015P	
890-161-8	T-6 (0-1')	Total/NA	Solid	SW8015P	
890-161-12	T-7 (0-1')	Total/NA	Solid	SW8015P	
7721298-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7721298-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7721298-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
687934-001 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
687934-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Client Sample ID: AH-1 (0-1')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			231	02/10/21 09:32	MC	XC
Total/NA	Analysis	8021B		1	234	02/10/21 20:32	PXS	XC
Soluble	Leach	DI Leach			207	02/09/21 13:51	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 03:32	JM	XC
Total/NA	Prep	SW8015P		1	3150748_P	02/10/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150748	02/10/21 23:14	ARM	XM

Client Sample ID: AH-1 (1-1.5')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 03:38	JM	XC

Client Sample ID: AH-1 (2-2.5')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 03:43	JM	XC

Client Sample ID: T-4 (0-1')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			231	02/10/21 09:32	MC	XC
Total/NA	Analysis	8021B		1	234	02/10/21 20:54	PXS	XC
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		20	218	02/10/21 04:00	JM	XC
Total/NA	Prep	SW8015P		1	3150748_P	02/10/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150748	02/11/21 00:17	ARM	XM

Client Sample ID: T-4 (1')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 04:06	JM	XC

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Client Sample ID: T-4 (2')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 04:23	JM	XC

Client Sample ID: T-4 (3')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 04:29	JM	XC

Client Sample ID: T-6 (0-1')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			253	02/11/21 16:38	MC	XC
Total/NA	Analysis	8021B		1	234	02/12/21 05:45	PXS	XC
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 04:34	JM	XC
Total/NA	Prep	SW8015P		1	3150748_P	02/10/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150748	02/11/21 00:38	ARM	XM

Client Sample ID: T-6 (1')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 04:40	JM	XC

Client Sample ID: T-6 (2')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 04:46	JM	XC

Client Sample ID: T-6 (3')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		1	218	02/10/21 04:51	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Client Sample ID: T-7 (0-1')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			253	02/11/21 16:38	MC	XC
Total/NA	Analysis	8021B		1	234	02/12/21 06:08	PXS	XC
Soluble	Leach	DI Leach			207	02/09/21 18:01	MC	XC
Soluble	Analysis	300.0		20	218	02/10/21 04:57	JM	XC
Total/NA	Prep	SW8015P		1	3150748_P	02/10/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150748	02/11/21 00:59	ARM	XM

Client Sample ID: T-7 (1')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		1	239	02/11/21 02:54	A1S	XC

Client Sample ID: T-7 (2')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		1	239	02/11/21 02:59	A1S	XC

Client Sample ID: T-7 (3')
Date Collected: 02/08/21 00:00
Date Received: 02/09/21 09:18

Lab Sample ID: 890-161-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		1	239	02/11/21 03:16	A1S	XC

Laboratory References:

XC = Eurofins Xenco, Carlsbad, 1089 N Canal St., Carlsbad, NM 88220, TEL (575)988-3199

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Laboratory: Eurofins Xenco, Carlsbad

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

Authority	Program	Identification Number	Expiration Date
Louisiana	NELAP	05092	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8021B	5035	Solid	Total BTEX

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XC
300.0	Anions, Ion Chromatography	MCAWW	XC
8015B	SW846 8015B DRO	SW846	XM
5035	Closed System Purge and Trap	SW846	XC
DI Leach	Deionized Water Leaching Procedure	ASTM	XC

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:

XC = Eurofins Xenco, Carlsbad, 1089 N Canal St., Carlsbad, NM 88220, TEL (575)988-3199

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4H

Job ID: 890-161-1
SDG: 212C-MD-02345

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-161-1	AH-1 (0-1')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-2	AH-1 (1-1.5')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-3	AH-1 (2-2.5')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-4	T-4 (0-1')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-5	T-4 (1')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-6	T-4 (2')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-7	T-4 (3')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-8	T-6 (0-1')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-9	T-6 (1')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-10	T-6 (2')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-11	T-6 (3')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-12	T-7 (0-1')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-13	T-7 (1')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-14	T-7 (2')	Solid	02/08/21 00:00	02/09/21 09:18	
890-161-15	T-7 (3')	Solid	02/08/21 00:00	02/09/21 09:18	

Analysis Request of Chain of Custody Record

2/19/2021

Tetra Tech, Inc.

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

Client Name:	EOG	**Site Manager:**	Brittany Long
Project Name:	Dragon 36 State 4H		
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02345
Invoice to:	EOG Todd Wells		
Receiving Laboratory:	Xenco	**Sampler Signature:**	Ezequiel Moreno
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R			Hold
	AH-1 (0-1')	2/8/2021			X				X			1	N	X		X												X							
	AH-1 (1-1.5')	2/8/2021			X				X			1	N															X							
	AH-1 (2-2.5')	2/8/2021			X				X			1	N															X							
	T-4 (0-1')	2/8/2021			X				X			1	N	X		X												X							
	T-4 (1')	2/8/2021			X				X			1	N															X							
	T-4 (2')	2/8/2021			X				X			1	N															X							
	T-4 (3')	2/8/2021			X				X			1	N															X							
	T-6 (0-1')	2/8/2021			X				X			1	N	X		X												X							
	T-6 (1')	2/8/2021			X				X			1	N															X							
	T-6 (2')	2/8/2021			X				X			1	N															X							

Relinquished by: Brad Mann	Date: 2/9/21	Time:	Received by: Clae Cuffs	Date: 2.9.21	Time: 0918
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature 2.2/2.6

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	EOG	**Site Manager:**	Brittany Long
Project Name:	Dragon 36 State 4H		
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02345
Invoice to:	EOG Todd Wells		
Receiving Laboratory:	Xenco	**Sampler Signature:**	Ezequiel Moreno
Comments:			

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R			Hold
	T-6 (3')	2/8/2021			X				X			1	N															X							
	T-7 (0-1')	2/8/2021			X				X			1	N	X		X												X							
	T-7 (1')	2/8/2021			X				X			1	N															X							
	T-7 (2')	2/8/2021			X				X			1	N															X							
	T-7 (3')	2/8/2021			X				X			1	N															X							

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Relinquished by: Ezequiel Moreno	Date: 2/9/21	Time:	Received by: Cloe Cuffle	Date: 2.9.21	Time: 0918
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature 2.2/2.0

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-161-1
SDG Number: 212C-MD-02345

Login Number: 161
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No date or time on COC or sample containers
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").	True	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-652-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Dragon 36 State 4 H

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
5/12/2021 1:31:35 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Laboratory Job ID: 890-652-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Job ID: 890-652-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-652-1

Receipt
The samples were received on 5/10/2021 4:21 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 1.4°C

Receipt Exceptions
The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: BH-22 (890-652-1), BH-23 (890-652-2), BH-24 (890-652-3), BH-25 (890-652-4), BH-26 (890-652-5), BH-27 (890-652-6), BH-28 (890-652-7), BH-29 (890-652-8), SW-9 (890-652-9), SW-10 (890-652-10), SW-11 (890-652-11), SW-12 (890-652-12), SW-13 (890-652-13), SW-14 (890-652-14), SW-15 (890-652-15), SW-16 (890-652-16), SW-17 (890-652-17), SW-18 (890-652-18), SW-19 (890-652-19), SW-20 (890-652-20), SW-21 (890-652-21), SW-22 (890-652-22), SW-23 (890-652-23), SW-24 (890-652-24), SW-25 (890-652-25), SW-26 (890-652-26), SW-27 (890-652-27), SW-28 (890-652-28), SW-29 (890-652-29), SW-30 (890-652-30), SW-31 (890-652-31), SW-32 (890-652-32), SW-33 (890-652-33) and BH-30 (890-652-34).

GC VOA
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 laboratory control sample (LCS) associated with preparation batch 880-2971 and analytical batch 880-2953 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-2986 and analytical batch 880-2951 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: BH-22

Lab Sample ID: 890-652-1
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 16:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 16:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 16:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 16:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 16:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 16:43	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/11/21 09:17*	*05/11/21 16:43*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/11/21 09:17*	*05/11/21 16:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/11/21 22:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/11/21 14:53	05/11/21 22:33	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/11/21 22:33	1
Total TPH	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/11/21 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/11/21 14:53*	*05/11/21 22:33*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*05/11/21 14:53*	*05/11/21 22:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.9**		5.00		mg/Kg			05/11/21 23:31	1

Client Sample ID: BH-23

Lab Sample ID: 890-652-2
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 17:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 17:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 17:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 17:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 17:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 17:03	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/11/21 09:17*	*05/11/21 17:03*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:17*	*05/11/21 17:03*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: BH-23

Lab Sample ID: 890-652-2
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/11/21 23:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/11/21 23:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/11/21 23:35	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/11/21 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/11/21 14:53*	*05/11/21 23:35*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/11/21 14:53*	*05/11/21 23:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**306**		5.04		mg/Kg			05/11/21 23:48	1

Client Sample ID: BH-24

Lab Sample ID: 890-652-3
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 17:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 17:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 17:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/11/21 09:17	05/11/21 17:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 17:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/11/21 09:17	05/11/21 17:24	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/11/21 09:17	05/11/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/11/21 09:17*	*05/11/21 17:24*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/11/21 09:17*	*05/11/21 17:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/11/21 23:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/11/21 14:53	05/11/21 23:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/11/21 23:56	1
Total TPH	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/11/21 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*05/11/21 14:53*	*05/11/21 23:56*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*05/11/21 14:53*	*05/11/21 23:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**274**		5.05		mg/Kg			05/11/21 23:53	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: BH-25

Lab Sample ID: 890-652-4
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 17:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/11/21 09:17	05/11/21 17:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/11/21 09:17	05/11/21 17:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/11/21 09:17	05/11/21 17:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/11/21 09:17	05/11/21 17:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/11/21 09:17	05/11/21 17:44	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		05/11/21 09:17	05/11/21 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/11/21 09:17*	*05/11/21 17:44*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:17*	*05/11/21 17:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 00:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 00:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 00:17	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*05/11/21 14:53*	*05/12/21 00:17*	*1*
o-Terphenyl	*128*		*70 - 130*	*05/11/21 14:53*	*05/12/21 00:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**283**		5.03		mg/Kg			05/11/21 23:58	1

Client Sample ID: BH-26

Lab Sample ID: 890-652-5
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
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		05/11/21 09:17	05/11/21 18:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 18:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 18:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/11/21 09:17	05/11/21 18:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 18:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/11/21 09:17	05/11/21 18:05	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/11/21 09:17	05/11/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/11/21 09:17*	*05/11/21 18:05*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/11/21 09:17*	*05/11/21 18:05*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: BH-26

Lab Sample ID: 890-652-5
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/11/21 14:53	05/12/21 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 00:38	1
Total TPH	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/11/21 14:53*	*05/12/21 00:38*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*05/11/21 14:53*	*05/12/21 00:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**333**		4.97		mg/Kg			05/12/21 00:04	1

Client Sample ID: BH-27

Lab Sample ID: 890-652-6
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:17	05/11/21 18:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:17	05/11/21 18:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:17	05/11/21 18:25	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/11/21 09:17	05/11/21 18:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:17	05/11/21 18:25	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/11/21 09:17	05/11/21 18:25	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		05/11/21 09:17	05/11/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/11/21 09:17*	*05/11/21 18:25*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/11/21 09:17*	*05/11/21 18:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 00:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 00:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 00:58	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*05/11/21 14:53*	*05/12/21 00:58*	*1*
o-Terphenyl	*130*		*70 - 130*	*05/11/21 14:53*	*05/12/21 00:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**301**	**F1**	4.98		mg/Kg			05/12/21 02:40	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: BH-28

Lab Sample ID: 890-652-7
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 18:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 18:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 18:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 18:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 18:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 18:45	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/11/21 09:17*	*05/11/21 18:45*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:17*	*05/11/21 18:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/11/21 14:53	05/12/21 01:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 01:19	1
Total TPH	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*05/11/21 14:53*	*05/12/21 01:19*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*05/11/21 14:53*	*05/12/21 01:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**292**		4.99		mg/Kg			05/12/21 02:56	1

Client Sample ID: BH-29

Lab Sample ID: 890-652-8
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:17	05/11/21 19:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:17	05/11/21 19:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:17	05/11/21 19:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/11/21 09:17	05/11/21 19:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:17	05/11/21 19:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/11/21 09:17	05/11/21 19:06	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		05/11/21 09:17	05/11/21 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/11/21 09:17*	*05/11/21 19:06*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/11/21 09:17*	*05/11/21 19:06*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: BH-29

Lab Sample ID: 890-652-8
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 01:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/11/21 14:53	05/12/21 01:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 01:41	1
Total TPH	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/11/21 14:53*	*05/12/21 01:41*	*1*
o-Terphenyl	*128*		*70 - 130*	*05/11/21 14:53*	*05/12/21 01:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**330**		4.97		mg/Kg			05/12/21 03:01	1

Client Sample ID: SW-9

Lab Sample ID: 890-652-9
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 19:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 19:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 19:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/11/21 09:17	05/11/21 19:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 19:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/11/21 09:17	05/11/21 19:26	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/11/21 09:17	05/11/21 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/11/21 09:17*	*05/11/21 19:26*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/11/21 09:17*	*05/11/21 19:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 02:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 02:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 02:01	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/11/21 14:53*	*05/12/21 02:01*	*1*
o-Terphenyl	*126*		*70 - 130*	*05/11/21 14:53*	*05/12/21 02:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		4.97		mg/Kg			05/12/21 03:06	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-10

Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

Lab Sample ID: 890-652-10

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 19:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 19:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 19:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 19:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 19:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 19:47	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/11/21 09:17*	*05/11/21 19:47*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/11/21 09:17*	*05/11/21 19:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 02:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/11/21 14:53	05/12/21 02:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 02:22	1
Total TPH	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/12/21 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*05/11/21 14:53*	*05/12/21 02:22*	*1*
o-Terphenyl	*128*		*70 - 130*	*05/11/21 14:53*	*05/12/21 02:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		4.98		mg/Kg			05/12/21 03:12	1

Client Sample ID: SW-11

Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

Lab Sample ID: 890-652-11

Matrix: Solid

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		05/11/21 09:17	05/11/21 21:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/11/21 09:17	05/11/21 21:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/11/21 09:17	05/11/21 21:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/11/21 09:17	05/11/21 21:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/11/21 09:17	05/11/21 21:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/11/21 09:17	05/11/21 21:09	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/11/21 09:17	05/11/21 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/11/21 09:17*	*05/11/21 21:09*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:17*	*05/11/21 21:09*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-11

Lab Sample ID: 890-652-11
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/12/21 03:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/11/21 14:53	05/12/21 03:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/12/21 03:05	1
Total TPH	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/12/21 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*05/11/21 14:53*	*05/12/21 03:05*	*1*
o-Terphenyl	*127*		*70 - 130*	*05/11/21 14:53*	*05/12/21 03:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**384**		4.96		mg/Kg			05/12/21 03:28	1

Client Sample ID: SW-12

Lab Sample ID: 890-652-12
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 21:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 21:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 21:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/11/21 09:17	05/11/21 21:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 21:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/11/21 09:17	05/11/21 21:29	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/11/21 09:17	05/11/21 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:17*	*05/11/21 21:29*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/11/21 09:17*	*05/11/21 21:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 03:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 03:26	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*05/11/21 14:53*	*05/12/21 03:26*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*05/11/21 14:53*	*05/12/21 03:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**409**		5.00		mg/Kg			05/12/21 03:33	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-13

Lab Sample ID: 890-652-13
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
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		05/11/21 09:17	05/11/21 21:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 21:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 21:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/11/21 09:17	05/11/21 21:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 21:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/11/21 09:17	05/11/21 21:49	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/11/21 09:17	05/11/21 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:17*	*05/11/21 21:49*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/11/21 09:17*	*05/11/21 21:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 03:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 03:47	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 03:47	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/11/21 14:53*	*05/12/21 03:47*	*1*
o-Terphenyl	*124*		*70 - 130*	*05/11/21 14:53*	*05/12/21 03:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**413**		4.99		mg/Kg			05/12/21 03:39	1

Client Sample ID: SW-14

Lab Sample ID: 890-652-14
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
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		05/11/21 09:17	05/11/21 22:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:17	05/11/21 22:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:17	05/11/21 22:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/11/21 09:17	05/11/21 22:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:17	05/11/21 22:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/11/21 09:17	05/11/21 22:10	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		05/11/21 09:17	05/11/21 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/11/21 09:17*	*05/11/21 22:10*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/11/21 09:17*	*05/11/21 22:10*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-14

Lab Sample ID: 890-652-14
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:08	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/11/21 14:53*	*05/12/21 04:08*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/11/21 14:53*	*05/12/21 04:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**428**		5.02		mg/Kg			05/12/21 03:44	1

Client Sample ID: SW-15

Lab Sample ID: 890-652-15
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
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		05/11/21 09:17	05/11/21 22:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 22:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 22:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 22:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 22:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 22:30	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/11/21 09:17*	*05/11/21 22:30*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/11/21 09:17*	*05/11/21 22:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:29	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/11/21 14:53*	*05/12/21 04:29*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/11/21 14:53*	*05/12/21 04:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**412**		5.02		mg/Kg			05/12/21 03:49	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-16

Lab Sample ID: 890-652-16
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 2

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		05/11/21 09:17	05/11/21 22:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 22:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 22:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 22:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 22:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 22:51	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/11/21 09:17*	*05/11/21 22:51*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:17*	*05/11/21 22:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:50	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:50	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*05/11/21 14:53*	*05/12/21 04:50*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*05/11/21 14:53*	*05/12/21 04:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.4**		5.04		mg/Kg			05/12/21 03:55	1

Client Sample ID: SW-17

Lab Sample ID: 890-652-17
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 23:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 23:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 23:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 23:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 23:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 23:11	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/11/21 09:17*	*05/11/21 23:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:17*	*05/11/21 23:11*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-17

Lab Sample ID: 890-652-17
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 05:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 05:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 05:11	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/11/21 14:53*	*05/12/21 05:11*	*1*
o-Terphenyl	*126*		*70 - 130*	*05/11/21 14:53*	*05/12/21 05:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.4**		5.03		mg/Kg			05/12/21 04:11	1

Client Sample ID: SW-18

Lab Sample ID: 890-652-18
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 23:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 23:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 23:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 23:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 23:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 23:31	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:17*	*05/11/21 23:31*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/11/21 09:17*	*05/11/21 23:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 05:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 05:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 05:32	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*05/11/21 14:53*	*05/12/21 05:32*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*05/11/21 14:53*	*05/12/21 05:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.3**		5.05		mg/Kg			05/12/21 04:16	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-19

Lab Sample ID: 890-652-19
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/11/21 23:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 23:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 23:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 23:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:17	05/11/21 23:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 23:52	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/11/21 09:17	05/11/21 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/11/21 09:17*	*05/11/21 23:52*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/11/21 09:17*	*05/11/21 23:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/12/21 05:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/11/21 14:53	05/12/21 05:54	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/12/21 05:54	1
Total TPH	<49.8	U	49.8		mg/Kg		05/11/21 14:53	05/12/21 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/11/21 14:53*	*05/12/21 05:54*	*1*
o-Terphenyl	*129*		*70 - 130*	*05/11/21 14:53*	*05/12/21 05:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**345**		5.02		mg/Kg			05/12/21 04:32	1

Client Sample ID: SW-20

Lab Sample ID: 890-652-20
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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		05/11/21 09:17	05/12/21 00:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/12/21 00:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/12/21 00:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/11/21 09:17	05/12/21 00:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/12/21 00:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/11/21 09:17	05/12/21 00:12	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/11/21 09:17	05/12/21 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/11/21 09:17*	*05/12/21 00:12*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:17*	*05/12/21 00:12*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-20

Lab Sample ID: 890-652-20
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 06:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/11/21 14:53	05/12/21 06:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 06:14	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 14:53	05/12/21 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/11/21 14:53*	*05/12/21 06:14*	*1*
o-Terphenyl	*127*		*70 - 130*	*05/11/21 14:53*	*05/12/21 06:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**376**		5.35		mg/Kg			05/12/21 04:38	1

Client Sample ID: SW-21

Lab Sample ID: 890-652-21
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 03:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 03:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 03:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/11/21 09:26	05/12/21 03:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 03:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/11/21 09:26	05/12/21 03:34	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/11/21 09:26	05/12/21 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/11/21 09:26*	*05/12/21 03:34*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:26*	*05/12/21 03:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/11/21 11:29	05/11/21 15:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 15:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 15:52	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/11/21 11:29*	*05/11/21 15:52*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/11/21 11:29*	*05/11/21 15:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.7**		4.97		mg/Kg			05/12/21 04:43	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-22

Lab Sample ID: 890-652-22
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 03:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:26	05/12/21 03:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:26	05/12/21 03:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/11/21 09:26	05/12/21 03:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:26	05/12/21 03:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/11/21 09:26	05/12/21 03:55	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/11/21 09:26	05/12/21 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:26*	*05/12/21 03:55*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/11/21 09:26*	*05/12/21 03:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		05/11/21 11:29	05/11/21 16:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/11/21 11:29	05/11/21 16:13	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/11/21 11:29	05/11/21 16:13	1
Total TPH	<49.8	U	49.8		mg/Kg		05/11/21 11:29	05/11/21 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/11/21 11:29*	*05/11/21 16:13*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/11/21 11:29*	*05/11/21 16:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.3**		4.97		mg/Kg			05/12/21 04:48	1

Client Sample ID: SW-23

Lab Sample ID: 890-652-23
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 04:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 04:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 04:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/11/21 09:26	05/12/21 04:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 04:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/11/21 09:26	05/12/21 04:15	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/11/21 09:26	05/12/21 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/11/21 09:26*	*05/12/21 04:15*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:26*	*05/12/21 04:15*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-23

Lab Sample ID: 890-652-23
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/11/21 11:29	05/11/21 16:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 16:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 16:34	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/11/21 11:29*	*05/11/21 16:34*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/11/21 11:29*	*05/11/21 16:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.5**		4.97		mg/Kg			05/12/21 04:54	1

Client Sample ID: SW-24

Lab Sample ID: 890-652-24
Matrix: Solid
Date Collected: 05/04/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 04:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 04:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 04:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 09:26	05/12/21 04:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 04:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 09:26	05/12/21 04:36	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 09:26	05/12/21 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/11/21 09:26*	*05/12/21 04:36*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:26*	*05/12/21 04:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/11/21 11:29	05/11/21 16:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 16:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 16:55	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/11/21 11:29*	*05/11/21 16:55*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/11/21 11:29*	*05/11/21 16:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.4**		4.99		mg/Kg			05/12/21 04:59	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-25

Lab Sample ID: 890-652-25
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 04:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:26	05/12/21 04:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:26	05/12/21 04:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/11/21 09:26	05/12/21 04:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:26	05/12/21 04:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/11/21 09:26	05/12/21 04:56	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/11/21 09:26	05/12/21 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/11/21 09:26*	*05/12/21 04:56*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:26*	*05/12/21 04:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/11/21 11:29	05/11/21 17:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 17:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 17:37	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/11/21 11:29*	*05/11/21 17:37*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/11/21 11:29*	*05/11/21 17:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		4.97		mg/Kg			05/12/21 05:05	1

Client Sample ID: SW-26

Lab Sample ID: 890-652-26
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 05:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:26	05/12/21 05:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:26	05/12/21 05:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/11/21 09:26	05/12/21 05:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/11/21 09:26	05/12/21 05:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/11/21 09:26	05/12/21 05:17	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/11/21 09:26	05/12/21 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/11/21 09:26*	*05/12/21 05:17*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:26*	*05/12/21 05:17*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-26

Lab Sample ID: 890-652-26
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		05/11/21 11:29	05/11/21 17:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/11/21 11:29	05/11/21 17:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/11/21 11:29	05/11/21 17:58	1
Total TPH	<49.8	U	49.8		mg/Kg		05/11/21 11:29	05/11/21 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/11/21 11:29*	*05/11/21 17:58*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/11/21 11:29*	*05/11/21 17:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		5.00		mg/Kg			05/11/21 16:44	1

Client Sample ID: SW-27

Lab Sample ID: 890-652-27
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 05:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:26	05/12/21 05:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:26	05/12/21 05:37	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/11/21 09:26	05/12/21 05:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:26	05/12/21 05:37	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/11/21 09:26	05/12/21 05:37	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		05/11/21 09:26	05/12/21 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/11/21 09:26*	*05/12/21 05:37*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/11/21 09:26*	*05/12/21 05:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		05/11/21 11:29	05/11/21 18:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 18:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 18:23	1
Total TPH	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/11/21 11:29*	*05/11/21 18:23*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/11/21 11:29*	*05/11/21 18:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		4.97		mg/Kg			05/11/21 16:49	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-28

Lab Sample ID: 890-652-28
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 05:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:26	05/12/21 05:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:26	05/12/21 05:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/11/21 09:26	05/12/21 05:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:26	05/12/21 05:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/11/21 09:26	05/12/21 05:57	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		05/11/21 09:26	05/12/21 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:26*	*05/12/21 05:57*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/11/21 09:26*	*05/12/21 05:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		05/11/21 11:29	05/11/21 18:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/11/21 11:29	05/11/21 18:44	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/11/21 11:29	05/11/21 18:44	1
Total TPH	<49.8	U	49.8		mg/Kg		05/11/21 11:29	05/11/21 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/11/21 11:29*	*05/11/21 18:44*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/11/21 11:29*	*05/11/21 18:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		4.99		mg/Kg			05/11/21 16:55	1

Client Sample ID: SW-29

Lab Sample ID: 890-652-29
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 06:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 06:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 06:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/11/21 09:26	05/12/21 06:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 06:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/11/21 09:26	05/12/21 06:18	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/11/21 09:26	05/12/21 06:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:26*	*05/12/21 06:18*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/11/21 09:26*	*05/12/21 06:18*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-29

Lab Sample ID: 890-652-29
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		05/11/21 11:29	05/11/21 19:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 19:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 19:05	1
Total TPH	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/11/21 11:29*	*05/11/21 19:05*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/11/21 11:29*	*05/11/21 19:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		4.95		mg/Kg			05/11/21 17:00	1

Client Sample ID: SW-30

Lab Sample ID: 890-652-30
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 06:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/11/21 09:26	05/12/21 06:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/11/21 09:26	05/12/21 06:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/11/21 09:26	05/12/21 06:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/11/21 09:26	05/12/21 06:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/11/21 09:26	05/12/21 06:38	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		05/11/21 09:26	05/12/21 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:26*	*05/12/21 06:38*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/11/21 09:26*	*05/12/21 06:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/11/21 11:29	05/11/21 19:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 19:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 19:25	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/11/21 11:29*	*05/11/21 19:25*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/11/21 11:29*	*05/11/21 19:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.1**		5.03		mg/Kg			05/11/21 18:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-31

Lab Sample ID: 890-652-31
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 08:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/11/21 09:26	05/12/21 08:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/11/21 09:26	05/12/21 08:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/11/21 09:26	05/12/21 08:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/11/21 09:26	05/12/21 08:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/11/21 09:26	05/12/21 08:00	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/11/21 09:26	05/12/21 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/11/21 09:26*	*05/12/21 08:00*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:26*	*05/12/21 08:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/11/21 11:29	05/11/21 19:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 19:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 19:46	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/11/21 11:29*	*05/11/21 19:46*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/11/21 11:29*	*05/11/21 19:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.5**	**F1**	5.05		mg/Kg			05/11/21 18:05	1

Client Sample ID: SW-32

Lab Sample ID: 890-652-32
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 08:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 08:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 08:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/11/21 09:26	05/12/21 08:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 08:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/11/21 09:26	05/12/21 08:21	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/11/21 09:26	05/12/21 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/11/21 09:26*	*05/12/21 08:21*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/11/21 09:26*	*05/12/21 08:21*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-32

Lab Sample ID: 890-652-32
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		05/11/21 11:29	05/11/21 20:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 20:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 20:07	1
Total TPH	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/11/21 11:29*	*05/11/21 20:07*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/11/21 11:29*	*05/11/21 20:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.1**		4.96		mg/Kg			05/11/21 18:20	1

Client Sample ID: SW-33

Lab Sample ID: 890-652-33
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 1

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		05/11/21 09:26	05/12/21 08:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:26	05/12/21 08:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:26	05/12/21 08:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/11/21 09:26	05/12/21 08:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/11/21 09:26	05/12/21 08:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/11/21 09:26	05/12/21 08:41	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		05/11/21 09:26	05/12/21 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*05/11/21 09:26*	*05/12/21 08:41*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:26*	*05/12/21 08:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/11/21 11:29	05/11/21 20:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 20:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 20:28	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/11/21 11:29*	*05/11/21 20:28*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/11/21 11:29*	*05/11/21 20:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.0**		4.95		mg/Kg			05/11/21 18:26	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: BH-30

Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21
Sample Depth: - 0

Lab Sample ID: 890-652-34

Matrix: Solid

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		05/11/21 09:26	05/12/21 09:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/11/21 09:26	05/12/21 09:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/11/21 09:26	05/12/21 09:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/11/21 09:26	05/12/21 09:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/11/21 09:26	05/12/21 09:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/11/21 09:26	05/12/21 09:01	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		05/11/21 09:26	05/12/21 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/11/21 09:26*	*05/12/21 09:01*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/11/21 09:26*	*05/12/21 09:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/11/21 11:29	05/11/21 20:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 20:49	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 20:49	1
Total TPH	<49.9	U	49.9		mg/Kg		05/11/21 11:29	05/11/21 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/11/21 11:29*	*05/11/21 20:49*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/11/21 11:29*	*05/11/21 20:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.6**		4.95		mg/Kg			05/11/21 18:41	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
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)
890-652-1	BH-22	99	95
890-652-2	BH-23	94	98
890-652-3	BH-24	99	100
890-652-4	BH-25	104	97
890-652-5	BH-26	102	99
890-652-6	BH-27	102	99
890-652-7	BH-28	94	97
890-652-8	BH-29	96	95
890-652-9	SW-9	94	96
890-652-10	SW-10	96	95
890-652-11	SW-11	101	98
890-652-12	SW-12	98	96
890-652-13	SW-13	97	94
890-652-14	SW-14	91	95
890-652-15	SW-15	100	91
890-652-16	SW-16	96	98
890-652-17	SW-17	93	97
890-652-18	SW-18	98	94
890-652-19	SW-19	94	95
890-652-20	SW-20	90	97
890-652-21	SW-21	92	98
890-652-21 MS	SW-21	98	103
890-652-21 MSD	SW-21	103	99
890-652-22	SW-22	98	96
890-652-23	SW-23	95	98
890-652-24	SW-24	101	98
890-652-25	SW-25	90	97
890-652-26	SW-26	91	97
890-652-27	SW-27	92	96
890-652-28	SW-28	98	95
890-652-29	SW-29	98	92
890-652-30	SW-30	97	96
890-652-31	SW-31	94	98
890-652-32	SW-32	93	95
890-652-33	SW-33	83	97
890-652-34	BH-30	94	97
LCS 880-2937/1-A	Lab Control Sample	112	109
LCS 880-2939/1-A	Lab Control Sample	106	103
LCSD 880-2937/2-A	Lab Control Sample Dup	109	108
LCSD 880-2939/2-A	Lab Control Sample Dup	112	104
MB 880-2937/5-A	Method Blank	88	93
MB 880-2939/5-A	Method Blank	90	98

Surrogate Legend

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

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H 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										
890-652-1 MS	BH-22										
890-652-1 MSD	BH-22										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-652-1	BH-22	115	132 S1+								
890-652-1 MS	BH-22	117	120								
890-652-1 MSD	BH-22	117	120								
890-652-2	BH-23	109	120								
890-652-3	BH-24	114	132 S1+								
890-652-4	BH-25	113	128								
890-652-5	BH-26	115	131 S1+								
890-652-6	BH-27	113	130								
890-652-7	BH-28	116	132 S1+								
890-652-8	BH-29	115	128								
890-652-9	SW-9	110	126								
890-652-10	SW-10	113	128								
890-652-11	SW-11	114	127								
890-652-12	SW-12	117	132 S1+								
890-652-13	SW-13	112	124								
890-652-14	SW-14	108	120								
890-652-15	SW-15	110	121								
890-652-16	SW-16	116	132 S1+								
890-652-17	SW-17	112	126								
890-652-18	SW-18	116	135 S1+								
890-652-19	SW-19	112	129								
890-652-20	SW-20	115	127								
890-652-21	SW-21	109	119								
890-652-22	SW-22	108	119								
890-652-23	SW-23	94	104								
890-652-24	SW-24	98	107								
890-652-25	SW-25	110	120								
890-652-26	SW-26	94	102								
890-652-27	SW-27	96	105								
890-652-28	SW-28	96	105								
890-652-29	SW-29	99	106								
890-652-30	SW-30	94	102								
890-652-31	SW-31	93	101								
890-652-32	SW-32	95	103								
890-652-33	SW-33	98	107								
890-652-34	BH-30	97	104								
LCS 880-2971/2-A	Lab Control Sample	113	116								
LCS 880-2986/2-A	Lab Control Sample	125	135 S1+								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCSD 880-2971/3-A	Lab Control Sample Dup	114	117								
LCSD 880-2986/3-A	Lab Control Sample Dup	115	125								
MB 880-2971/1-A	Method Blank	104	117								
MB 880-2986/1-A	Method Blank	117	136 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2937/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2961 **Prep Batch: 2937**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 16:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 16:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 16:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 16:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:17	05/11/21 16:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 16:21	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 09:17	05/11/21 16:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/11/21 09:17*	*05/11/21 16:21*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/11/21 09:17*	*05/11/21 16:21*	*1*

Lab Sample ID: LCS 880-2937/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2961 **Prep Batch: 2937**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1040		mg/Kg		104	70 - 130		
Toluene			0.100	0.09711		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.09928		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.2153		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1154		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-2937/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2961 **Prep Batch: 2937**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09719		mg/Kg		97	70 - 130	7	35
Toluene			0.100	0.09132		mg/Kg		91	70 - 130	6	35
Ethylbenzene			0.100	0.09449		mg/Kg		94	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2011		mg/Kg		101	70 - 130	7	35
o-Xylene			0.100	0.1049		mg/Kg		105	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-652-1 MS **Client Sample ID: BH-22**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2961 **Prep Batch: 2937**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.101	0.08873		mg/Kg					

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

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

Lab Sample ID: 890-652-1 MS **Client Sample ID: BH-22**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2961 **Prep Batch: 2937**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toluene	<0.00199	U	0.101	0.08448		mg/Kg					
Ethylbenzene	<0.00199	U	0.101	0.08870		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1894		mg/Kg					
o-Xylene	<0.00199	U	0.101	0.09493		mg/Kg					

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: 890-652-1 MSD **Client Sample ID: BH-22**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2961 **Prep Batch: 2937**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.09283		mg/Kg					
Toluene	<0.00199	U	0.0996	0.08941		mg/Kg					
Ethylbenzene	<0.00199	U	0.0996	0.09551		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2053		mg/Kg					
o-Xylene	<0.00199	U	0.0996	0.1057		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: MB 880-2939/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2961 **Prep Batch: 2939**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 03:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 03:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 03:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 09:26	05/12/21 03:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 09:26	05/12/21 03:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 09:26	05/12/21 03:13	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 09:26	05/12/21 03:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/11/21 09:26*	*05/12/21 03:13*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/11/21 09:26*	*05/12/21 03:13*	*1*

Lab Sample ID: LCS 880-2939/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2961 **Prep Batch: 2939**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09879		mg/Kg		99	70 - 130		
Toluene			0.100	0.09821		mg/Kg		98	70 - 130		

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-2939/1-A
Matrix: Solid
Analysis Batch: 2961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2939

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylbenzene			0.100	0.09947		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.2142		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1093		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-2939/2-A
Matrix: Solid
Analysis Batch: 2961

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2939

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1013		mg/Kg		101	70 - 130	3	35
Toluene			0.100	0.1009		mg/Kg		101	70 - 130	3	35
Ethylbenzene			0.100	0.1096		mg/Kg		110	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2297		mg/Kg		115	70 - 130	7	35
o-Xylene			0.100	0.1173		mg/Kg		117	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-652-21 MS
Matrix: Solid
Analysis Batch: 2961

Client Sample ID: SW-21
Prep Type: Total/NA
Prep Batch: 2939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.0990	0.07742		mg/Kg		78	70 - 130		
Toluene	<0.00200	U	0.0990	0.07416		mg/Kg		75	70 - 130		
Ethylbenzene	<0.00200	U	0.0990	0.07137		mg/Kg		72	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1438		mg/Kg		73	70 - 130		
o-Xylene	<0.00200	U	0.0990	0.07269		mg/Kg		73	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-652-21 MSD
Matrix: Solid
Analysis Batch: 2961

Client Sample ID: SW-21
Prep Type: Total/NA
Prep Batch: 2939

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.07667		mg/Kg		77	70 - 130	1	35
Toluene	<0.00200	U	0.0994	0.07650		mg/Kg		77	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0994	0.07627		mg/Kg		77	70 - 130	7	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1549		mg/Kg		78	70 - 130	7	35
o-Xylene	<0.00200	U	0.0994	0.07825		mg/Kg		79	70 - 130	7	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-2971/1-A
Matrix: Solid
Analysis Batch: 2953

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 11:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 11:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 11:53	1
Total TPH	<50.0	U	50.0		mg/Kg		05/11/21 11:29	05/11/21 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	05/11/21 11:29	05/11/21 11:53	1
o-Terphenyl	117		70 - 130	05/11/21 11:29	05/11/21 11:53	1

Lab Sample ID: LCS 880-2971/2-A
Matrix: Solid
Analysis Batch: 2953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2971

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1017		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1151		mg/Kg		115	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-2971/3-A
Matrix: Solid
Analysis Batch: 2953

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2971

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1265	*1	mg/Kg		127	70 - 130	22	20
Diesel Range Organics (Over C10-C28)			1000	1175		mg/Kg		118	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	117		70 - 130

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

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

Lab Sample ID: MB 880-2986/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2951 **Prep Batch: 2986**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/11/21 21:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/11/21 21:31	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/11/21 21:31	1
Total TPH	<50.0	U	50.0		mg/Kg		05/11/21 14:53	05/11/21 21:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*05/11/21 14:53*	*05/11/21 21:31*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*05/11/21 14:53*	*05/11/21 21:31*	*1*

Lab Sample ID: LCS 880-2986/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2951 **Prep Batch: 2986**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1091		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1395	*+	mg/Kg		140	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*125*		*70 - 130*
o-Terphenyl	*135*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-2986/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2951 **Prep Batch: 2986**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	912.4		mg/Kg		91	70 - 130	18	20
Diesel Range Organics (Over C10-C28)			1000	1174		mg/Kg		117	70 - 130	17	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: 890-652-1 MS **Client Sample ID: BH-22**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2951 **Prep Batch: 2986**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	929.6		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U *+	998	1155		mg/Kg		116	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

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

Lab Sample ID: 890-652-1 MS **Client Sample ID: BH-22**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2951 **Prep Batch: 2986**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 890-652-1 MSD **Client Sample ID: BH-22**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2951 **Prep Batch: 2986**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	120		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2941/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/11/21 16:37	1

Lab Sample ID: LCS 880-2941/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2979

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	250.1		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-2941/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2979

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	247.1		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-652-31 MS **Client Sample ID: SW-31**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	35.5	F1	253	332.2	F1	mg/Kg		117	90 - 110		

Lab Sample ID: 890-652-31 MSD **Client Sample ID: SW-31**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	35.5	F1	253	325.4	F1	mg/Kg		115	90 - 110	2	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-2956/1-A
Matrix: Solid
Analysis Batch: 2980

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/11/21 13:46	1

Lab Sample ID: LCS 880-2956/2-A
Matrix: Solid
Analysis Batch: 2980

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	240.5		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-2956/3-A
Matrix: Solid
Analysis Batch: 2980

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	232.4		mg/Kg		93	90 - 110	3	20

Lab Sample ID: MB 880-2942/1-A
Matrix: Solid
Analysis Batch: 2988

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/11/21 23:15	1

Lab Sample ID: LCS 880-2942/2-A
Matrix: Solid
Analysis Batch: 2988

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	237.5		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-2942/3-A
Matrix: Solid
Analysis Batch: 2988

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	238.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 890-652-1 MS
Matrix: Solid
Analysis Batch: 2988

Client Sample ID: BH-22
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	35.9		250	266.0		mg/Kg		92	90 - 110

Lab Sample ID: 890-652-1 MSD
Matrix: Solid
Analysis Batch: 2988

Client Sample ID: BH-22
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	35.9		250	268.0		mg/Kg		93	90 - 110	1	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2944/1-A
Matrix: Solid
Analysis Batch: 2991

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/12/21 02:23	1

Lab Sample ID: LCS 880-2944/2-A
Matrix: Solid
Analysis Batch: 2991

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	232.2		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-2944/3-A
Matrix: Solid
Analysis Batch: 2991

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	227.0		mg/Kg		91	90 - 110	2	20

Lab Sample ID: 890-652-6 MS
Matrix: Solid
Analysis Batch: 2991

Client Sample ID: BH-27
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	301	F1	249	502.2	F1	mg/Kg		81	90 - 110		

Lab Sample ID: 890-652-6 MSD
Matrix: Solid
Analysis Batch: 2991

Client Sample ID: BH-27
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	301	F1	249	532.5		mg/Kg		93	90 - 110	6	20

Lab Sample ID: 890-652-16 MS
Matrix: Solid
Analysis Batch: 2991

Client Sample ID: SW-16
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	38.4		252	286.8		mg/Kg		99	90 - 110		

Lab Sample ID: 890-652-16 MSD
Matrix: Solid
Analysis Batch: 2991

Client Sample ID: SW-16
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	38.4		252	281.5		mg/Kg		96	90 - 110	2	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

GC VOA

Prep Batch: 2937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-1	BH-22	Total/NA	Solid	5035	
890-652-2	BH-23	Total/NA	Solid	5035	
890-652-3	BH-24	Total/NA	Solid	5035	
890-652-4	BH-25	Total/NA	Solid	5035	
890-652-5	BH-26	Total/NA	Solid	5035	
890-652-6	BH-27	Total/NA	Solid	5035	
890-652-7	BH-28	Total/NA	Solid	5035	
890-652-8	BH-29	Total/NA	Solid	5035	
890-652-9	SW-9	Total/NA	Solid	5035	
890-652-10	SW-10	Total/NA	Solid	5035	
890-652-11	SW-11	Total/NA	Solid	5035	
890-652-12	SW-12	Total/NA	Solid	5035	
890-652-13	SW-13	Total/NA	Solid	5035	
890-652-14	SW-14	Total/NA	Solid	5035	
890-652-15	SW-15	Total/NA	Solid	5035	
890-652-16	SW-16	Total/NA	Solid	5035	
890-652-17	SW-17	Total/NA	Solid	5035	
890-652-18	SW-18	Total/NA	Solid	5035	
890-652-19	SW-19	Total/NA	Solid	5035	
890-652-20	SW-20	Total/NA	Solid	5035	
MB 880-2937/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2937/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2937/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-652-1 MS	BH-22	Total/NA	Solid	5035	
890-652-1 MSD	BH-22	Total/NA	Solid	5035	

Prep Batch: 2939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-21	SW-21	Total/NA	Solid	5035	
890-652-22	SW-22	Total/NA	Solid	5035	
890-652-23	SW-23	Total/NA	Solid	5035	
890-652-24	SW-24	Total/NA	Solid	5035	
890-652-25	SW-25	Total/NA	Solid	5035	
890-652-26	SW-26	Total/NA	Solid	5035	
890-652-27	SW-27	Total/NA	Solid	5035	
890-652-28	SW-28	Total/NA	Solid	5035	
890-652-29	SW-29	Total/NA	Solid	5035	
890-652-30	SW-30	Total/NA	Solid	5035	
890-652-31	SW-31	Total/NA	Solid	5035	
890-652-32	SW-32	Total/NA	Solid	5035	
890-652-33	SW-33	Total/NA	Solid	5035	
890-652-34	BH-30	Total/NA	Solid	5035	
MB 880-2939/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2939/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2939/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-652-21 MS	SW-21	Total/NA	Solid	5035	
890-652-21 MSD	SW-21	Total/NA	Solid	5035	

Analysis Batch: 2961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-1	BH-22	Total/NA	Solid	8021B	2937

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 2961 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-2	BH-23	Total/NA	Solid	8021B	2937
890-652-3	BH-24	Total/NA	Solid	8021B	2937
890-652-4	BH-25	Total/NA	Solid	8021B	2937
890-652-5	BH-26	Total/NA	Solid	8021B	2937
890-652-6	BH-27	Total/NA	Solid	8021B	2937
890-652-7	BH-28	Total/NA	Solid	8021B	2937
890-652-8	BH-29	Total/NA	Solid	8021B	2937
890-652-9	SW-9	Total/NA	Solid	8021B	2937
890-652-10	SW-10	Total/NA	Solid	8021B	2937
890-652-11	SW-11	Total/NA	Solid	8021B	2937
890-652-12	SW-12	Total/NA	Solid	8021B	2937
890-652-13	SW-13	Total/NA	Solid	8021B	2937
890-652-14	SW-14	Total/NA	Solid	8021B	2937
890-652-15	SW-15	Total/NA	Solid	8021B	2937
890-652-16	SW-16	Total/NA	Solid	8021B	2937
890-652-17	SW-17	Total/NA	Solid	8021B	2937
890-652-18	SW-18	Total/NA	Solid	8021B	2937
890-652-19	SW-19	Total/NA	Solid	8021B	2937
890-652-20	SW-20	Total/NA	Solid	8021B	2937
890-652-21	SW-21	Total/NA	Solid	8021B	2939
890-652-22	SW-22	Total/NA	Solid	8021B	2939
890-652-23	SW-23	Total/NA	Solid	8021B	2939
890-652-24	SW-24	Total/NA	Solid	8021B	2939
890-652-25	SW-25	Total/NA	Solid	8021B	2939
890-652-26	SW-26	Total/NA	Solid	8021B	2939
890-652-27	SW-27	Total/NA	Solid	8021B	2939
890-652-28	SW-28	Total/NA	Solid	8021B	2939
890-652-29	SW-29	Total/NA	Solid	8021B	2939
890-652-30	SW-30	Total/NA	Solid	8021B	2939
890-652-31	SW-31	Total/NA	Solid	8021B	2939
890-652-32	SW-32	Total/NA	Solid	8021B	2939
890-652-33	SW-33	Total/NA	Solid	8021B	2939
890-652-34	BH-30	Total/NA	Solid	8021B	2939
MB 880-2937/5-A	Method Blank	Total/NA	Solid	8021B	2937
MB 880-2939/5-A	Method Blank	Total/NA	Solid	8021B	2939
LCS 880-2937/1-A	Lab Control Sample	Total/NA	Solid	8021B	2937
LCS 880-2939/1-A	Lab Control Sample	Total/NA	Solid	8021B	2939
LCSD 880-2937/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2937
LCSD 880-2939/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2939
890-652-1 MS	BH-22	Total/NA	Solid	8021B	2937
890-652-1 MSD	BH-22	Total/NA	Solid	8021B	2937
890-652-21 MS	SW-21	Total/NA	Solid	8021B	2939
890-652-21 MSD	SW-21	Total/NA	Solid	8021B	2939

GC Semi VOA

Analysis Batch: 2951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-1	BH-22	Total/NA	Solid	8015B NM	2986
890-652-2	BH-23	Total/NA	Solid	8015B NM	2986
890-652-3	BH-24	Total/NA	Solid	8015B NM	2986

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 2951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-4	BH-25	Total/NA	Solid	8015B NM	2986
890-652-5	BH-26	Total/NA	Solid	8015B NM	2986
890-652-6	BH-27	Total/NA	Solid	8015B NM	2986
890-652-7	BH-28	Total/NA	Solid	8015B NM	2986
890-652-8	BH-29	Total/NA	Solid	8015B NM	2986
890-652-9	SW-9	Total/NA	Solid	8015B NM	2986
890-652-10	SW-10	Total/NA	Solid	8015B NM	2986
890-652-11	SW-11	Total/NA	Solid	8015B NM	2986
890-652-12	SW-12	Total/NA	Solid	8015B NM	2986
890-652-13	SW-13	Total/NA	Solid	8015B NM	2986
890-652-14	SW-14	Total/NA	Solid	8015B NM	2986
890-652-15	SW-15	Total/NA	Solid	8015B NM	2986
890-652-16	SW-16	Total/NA	Solid	8015B NM	2986
890-652-17	SW-17	Total/NA	Solid	8015B NM	2986
890-652-18	SW-18	Total/NA	Solid	8015B NM	2986
890-652-19	SW-19	Total/NA	Solid	8015B NM	2986
890-652-20	SW-20	Total/NA	Solid	8015B NM	2986
MB 880-2986/1-A	Method Blank	Total/NA	Solid	8015B NM	2986
LCS 880-2986/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2986
LCSD 880-2986/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2986
890-652-1 MS	BH-22	Total/NA	Solid	8015B NM	2986
890-652-1 MSD	BH-22	Total/NA	Solid	8015B NM	2986

Analysis Batch: 2953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-21	SW-21	Total/NA	Solid	8015B NM	2971
890-652-22	SW-22	Total/NA	Solid	8015B NM	2971
890-652-23	SW-23	Total/NA	Solid	8015B NM	2971
890-652-24	SW-24	Total/NA	Solid	8015B NM	2971
890-652-25	SW-25	Total/NA	Solid	8015B NM	2971
890-652-26	SW-26	Total/NA	Solid	8015B NM	2971
890-652-27	SW-27	Total/NA	Solid	8015B NM	2971
890-652-28	SW-28	Total/NA	Solid	8015B NM	2971
890-652-29	SW-29	Total/NA	Solid	8015B NM	2971
890-652-30	SW-30	Total/NA	Solid	8015B NM	2971
890-652-31	SW-31	Total/NA	Solid	8015B NM	2971
890-652-32	SW-32	Total/NA	Solid	8015B NM	2971
890-652-33	SW-33	Total/NA	Solid	8015B NM	2971
890-652-34	BH-30	Total/NA	Solid	8015B NM	2971
MB 880-2971/1-A	Method Blank	Total/NA	Solid	8015B NM	2971
LCS 880-2971/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2971
LCSD 880-2971/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2971

Prep Batch: 2971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-21	SW-21	Total/NA	Solid	8015NM Prep	
890-652-22	SW-22	Total/NA	Solid	8015NM Prep	
890-652-23	SW-23	Total/NA	Solid	8015NM Prep	
890-652-24	SW-24	Total/NA	Solid	8015NM Prep	
890-652-25	SW-25	Total/NA	Solid	8015NM Prep	
890-652-26	SW-26	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 2971 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-27	SW-27	Total/NA	Solid	8015NM Prep	
890-652-28	SW-28	Total/NA	Solid	8015NM Prep	
890-652-29	SW-29	Total/NA	Solid	8015NM Prep	
890-652-30	SW-30	Total/NA	Solid	8015NM Prep	
890-652-31	SW-31	Total/NA	Solid	8015NM Prep	
890-652-32	SW-32	Total/NA	Solid	8015NM Prep	
890-652-33	SW-33	Total/NA	Solid	8015NM Prep	
890-652-34	BH-30	Total/NA	Solid	8015NM Prep	
MB 880-2971/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2971/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2971/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 2986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-1	BH-22	Total/NA	Solid	8015NM Prep	
890-652-2	BH-23	Total/NA	Solid	8015NM Prep	
890-652-3	BH-24	Total/NA	Solid	8015NM Prep	
890-652-4	BH-25	Total/NA	Solid	8015NM Prep	
890-652-5	BH-26	Total/NA	Solid	8015NM Prep	
890-652-6	BH-27	Total/NA	Solid	8015NM Prep	
890-652-7	BH-28	Total/NA	Solid	8015NM Prep	
890-652-8	BH-29	Total/NA	Solid	8015NM Prep	
890-652-9	SW-9	Total/NA	Solid	8015NM Prep	
890-652-10	SW-10	Total/NA	Solid	8015NM Prep	
890-652-11	SW-11	Total/NA	Solid	8015NM Prep	
890-652-12	SW-12	Total/NA	Solid	8015NM Prep	
890-652-13	SW-13	Total/NA	Solid	8015NM Prep	
890-652-14	SW-14	Total/NA	Solid	8015NM Prep	
890-652-15	SW-15	Total/NA	Solid	8015NM Prep	
890-652-16	SW-16	Total/NA	Solid	8015NM Prep	
890-652-17	SW-17	Total/NA	Solid	8015NM Prep	
890-652-18	SW-18	Total/NA	Solid	8015NM Prep	
890-652-19	SW-19	Total/NA	Solid	8015NM Prep	
890-652-20	SW-20	Total/NA	Solid	8015NM Prep	
MB 880-2986/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2986/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2986/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-652-1 MS	BH-22	Total/NA	Solid	8015NM Prep	
890-652-1 MSD	BH-22	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-30	SW-30	Soluble	Solid	DI Leach	
890-652-31	SW-31	Soluble	Solid	DI Leach	
890-652-32	SW-32	Soluble	Solid	DI Leach	
890-652-33	SW-33	Soluble	Solid	DI Leach	
890-652-34	BH-30	Soluble	Solid	DI Leach	
MB 880-2941/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2941/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 2941 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-2941/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-652-31 MS	SW-31	Soluble	Solid	DI Leach	
890-652-31 MSD	SW-31	Soluble	Solid	DI Leach	

Leach Batch: 2942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-1	BH-22	Soluble	Solid	DI Leach	
890-652-2	BH-23	Soluble	Solid	DI Leach	
890-652-3	BH-24	Soluble	Solid	DI Leach	
890-652-4	BH-25	Soluble	Solid	DI Leach	
890-652-5	BH-26	Soluble	Solid	DI Leach	
MB 880-2942/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2942/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2942/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-652-1 MS	BH-22	Soluble	Solid	DI Leach	
890-652-1 MSD	BH-22	Soluble	Solid	DI Leach	

Leach Batch: 2944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-6	BH-27	Soluble	Solid	DI Leach	
890-652-7	BH-28	Soluble	Solid	DI Leach	
890-652-8	BH-29	Soluble	Solid	DI Leach	
890-652-9	SW-9	Soluble	Solid	DI Leach	
890-652-10	SW-10	Soluble	Solid	DI Leach	
890-652-11	SW-11	Soluble	Solid	DI Leach	
890-652-12	SW-12	Soluble	Solid	DI Leach	
890-652-13	SW-13	Soluble	Solid	DI Leach	
890-652-14	SW-14	Soluble	Solid	DI Leach	
890-652-15	SW-15	Soluble	Solid	DI Leach	
890-652-16	SW-16	Soluble	Solid	DI Leach	
890-652-17	SW-17	Soluble	Solid	DI Leach	
890-652-18	SW-18	Soluble	Solid	DI Leach	
890-652-19	SW-19	Soluble	Solid	DI Leach	
890-652-20	SW-20	Soluble	Solid	DI Leach	
890-652-21	SW-21	Soluble	Solid	DI Leach	
890-652-22	SW-22	Soluble	Solid	DI Leach	
890-652-23	SW-23	Soluble	Solid	DI Leach	
890-652-24	SW-24	Soluble	Solid	DI Leach	
890-652-25	SW-25	Soluble	Solid	DI Leach	
MB 880-2944/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2944/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2944/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-652-6 MS	BH-27	Soluble	Solid	DI Leach	
890-652-6 MSD	BH-27	Soluble	Solid	DI Leach	
890-652-16 MS	SW-16	Soluble	Solid	DI Leach	
890-652-16 MSD	SW-16	Soluble	Solid	DI Leach	

Leach Batch: 2956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-26	SW-26	Soluble	Solid	DI Leach	
890-652-27	SW-27	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 2956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-28	SW-28	Soluble	Solid	DI Leach	
890-652-29	SW-29	Soluble	Solid	DI Leach	
MB 880-2956/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2956/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2956/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-30	SW-30	Soluble	Solid	300.0	2941
890-652-31	SW-31	Soluble	Solid	300.0	2941
890-652-32	SW-32	Soluble	Solid	300.0	2941
890-652-33	SW-33	Soluble	Solid	300.0	2941
890-652-34	BH-30	Soluble	Solid	300.0	2941
MB 880-2941/1-A	Method Blank	Soluble	Solid	300.0	2941
LCS 880-2941/2-A	Lab Control Sample	Soluble	Solid	300.0	2941
LCSD 880-2941/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2941
890-652-31 MS	SW-31	Soluble	Solid	300.0	2941
890-652-31 MSD	SW-31	Soluble	Solid	300.0	2941

Analysis Batch: 2980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-26	SW-26	Soluble	Solid	300.0	2956
890-652-27	SW-27	Soluble	Solid	300.0	2956
890-652-28	SW-28	Soluble	Solid	300.0	2956
890-652-29	SW-29	Soluble	Solid	300.0	2956
MB 880-2956/1-A	Method Blank	Soluble	Solid	300.0	2956
LCS 880-2956/2-A	Lab Control Sample	Soluble	Solid	300.0	2956
LCSD 880-2956/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2956

Analysis Batch: 2988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-1	BH-22	Soluble	Solid	300.0	2942
890-652-2	BH-23	Soluble	Solid	300.0	2942
890-652-3	BH-24	Soluble	Solid	300.0	2942
890-652-4	BH-25	Soluble	Solid	300.0	2942
890-652-5	BH-26	Soluble	Solid	300.0	2942
MB 880-2942/1-A	Method Blank	Soluble	Solid	300.0	2942
LCS 880-2942/2-A	Lab Control Sample	Soluble	Solid	300.0	2942
LCSD 880-2942/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2942
890-652-1 MS	BH-22	Soluble	Solid	300.0	2942
890-652-1 MSD	BH-22	Soluble	Solid	300.0	2942

Analysis Batch: 2991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-6	BH-27	Soluble	Solid	300.0	2944
890-652-7	BH-28	Soluble	Solid	300.0	2944
890-652-8	BH-29	Soluble	Solid	300.0	2944
890-652-9	SW-9	Soluble	Solid	300.0	2944
890-652-10	SW-10	Soluble	Solid	300.0	2944
890-652-11	SW-11	Soluble	Solid	300.0	2944
890-652-12	SW-12	Soluble	Solid	300.0	2944

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 2991 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-652-13	SW-13	Soluble	Solid	300.0	2944
890-652-14	SW-14	Soluble	Solid	300.0	2944
890-652-15	SW-15	Soluble	Solid	300.0	2944
890-652-16	SW-16	Soluble	Solid	300.0	2944
890-652-17	SW-17	Soluble	Solid	300.0	2944
890-652-18	SW-18	Soluble	Solid	300.0	2944
890-652-19	SW-19	Soluble	Solid	300.0	2944
890-652-20	SW-20	Soluble	Solid	300.0	2944
890-652-21	SW-21	Soluble	Solid	300.0	2944
890-652-22	SW-22	Soluble	Solid	300.0	2944
890-652-23	SW-23	Soluble	Solid	300.0	2944
890-652-24	SW-24	Soluble	Solid	300.0	2944
890-652-25	SW-25	Soluble	Solid	300.0	2944
MB 880-2944/1-A	Method Blank	Soluble	Solid	300.0	2944
LCS 880-2944/2-A	Lab Control Sample	Soluble	Solid	300.0	2944
LCSD 880-2944/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2944
890-652-6 MS	BH-27	Soluble	Solid	300.0	2944
890-652-6 MSD	BH-27	Soluble	Solid	300.0	2944
890-652-16 MS	SW-16	Soluble	Solid	300.0	2944
890-652-16 MSD	SW-16	Soluble	Solid	300.0	2944

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Client Sample ID: BH-22 Lab Sample ID: 890-652-1

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 16:43	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/11/21 22:33	AJ	XM
Soluble	Leach	DI Leach			2942	05/11/21 09:31	CH	XM
Soluble	Analysis	300.0		1	2988	05/11/21 23:31	CH	XM

Client Sample ID: BH-23 Lab Sample ID: 890-652-2

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 17:03	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/11/21 23:35	AJ	XM
Soluble	Leach	DI Leach			2942	05/11/21 09:31	CH	XM
Soluble	Analysis	300.0		1	2988	05/11/21 23:48	CH	XM

Client Sample ID: BH-24 Lab Sample ID: 890-652-3

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 17:24	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/11/21 23:56	AJ	XM
Soluble	Leach	DI Leach			2942	05/11/21 09:31	CH	XM
Soluble	Analysis	300.0		1	2988	05/11/21 23:53	CH	XM

Client Sample ID: BH-25 Lab Sample ID: 890-652-4

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 17:44	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 00:17	AJ	XM
Soluble	Leach	DI Leach			2942	05/11/21 09:31	CH	XM
Soluble	Analysis	300.0		1	2988	05/11/21 23:58	CH	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Client Sample ID: BH-26 Lab Sample ID: 890-652-5

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 18:05	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 00:38	AJ	XM
Soluble	Leach	DI Leach			2942	05/11/21 09:31	CH	XM
Soluble	Analysis	300.0		1	2988	05/12/21 00:04	CH	XM

Client Sample ID: BH-27 Lab Sample ID: 890-652-6

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 18:25	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 00:58	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 02:40	CH	XM

Client Sample ID: BH-28 Lab Sample ID: 890-652-7

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 18:45	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 01:19	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 02:56	CH	XM

Client Sample ID: BH-29 Lab Sample ID: 890-652-8

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 19:06	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 01:41	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 03:01	CH	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Client Sample ID: SW-9 Lab Sample ID: 890-652-9

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 19:26	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 02:01	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 03:06	CH	XM

Client Sample ID: SW-10 Lab Sample ID: 890-652-10

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 19:47	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 02:22	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 03:12	CH	XM

Client Sample ID: SW-11 Lab Sample ID: 890-652-11

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 21:09	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 03:05	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 03:28	CH	XM

Client Sample ID: SW-12 Lab Sample ID: 890-652-12

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 21:29	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 03:26	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 03:33	CH	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Client Sample ID: SW-13 Lab Sample ID: 890-652-13

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 21:49	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 03:47	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 03:39	CH	XM

Client Sample ID: SW-14 Lab Sample ID: 890-652-14

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 22:10	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 04:08	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 03:44	CH	XM

Client Sample ID: SW-15 Lab Sample ID: 890-652-15

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 22:30	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 04:29	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 03:49	CH	XM

Client Sample ID: SW-16 Lab Sample ID: 890-652-16

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 22:51	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 04:50	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 03:55	CH	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Client Sample ID: SW-17 Lab Sample ID: 890-652-17

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 23:11	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 05:11	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 04:11	CH	XM

Client Sample ID: SW-18 Lab Sample ID: 890-652-18

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 23:31	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 05:32	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 04:16	CH	XM

Client Sample ID: SW-19 Lab Sample ID: 890-652-19

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/11/21 23:52	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 05:54	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 04:32	CH	XM

Client Sample ID: SW-20 Lab Sample ID: 890-652-20

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2937	05/11/21 09:17	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 00:12	KL	XM
Total/NA	Prep	8015NM Prep			2986	05/11/21 14:53	AM	XM
Total/NA	Analysis	8015B NM		1	2951	05/12/21 06:14	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 04:38	CH	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Client Sample ID: SW-21 Lab Sample ID: 890-652-21

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 03:34	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 15:52	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 04:43	CH	XM

Client Sample ID: SW-22 Lab Sample ID: 890-652-22

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 03:55	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 16:13	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 04:48	CH	XM

Client Sample ID: SW-23 Lab Sample ID: 890-652-23

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 04:15	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 16:34	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 04:54	CH	XM

Client Sample ID: SW-24 Lab Sample ID: 890-652-24

Date Collected: 05/04/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 04:36	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 16:55	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 04:59	CH	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Client Sample ID: SW-25 Lab Sample ID: 890-652-25

Date Collected: 05/07/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 04:56	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 17:37	AJ	XM
Soluble	Leach	DI Leach			2944	05/11/21 09:34	CH	XM
Soluble	Analysis	300.0		1	2991	05/12/21 05:05	CH	XM

Client Sample ID: SW-26 Lab Sample ID: 890-652-26

Date Collected: 05/07/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 05:17	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 17:58	AJ	XM
Soluble	Leach	DI Leach			2956	05/11/21 10:10	CH	XM
Soluble	Analysis	300.0		1	2980	05/11/21 16:44	WP	XM

Client Sample ID: SW-27 Lab Sample ID: 890-652-27

Date Collected: 05/07/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 05:37	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 18:23	AJ	XM
Soluble	Leach	DI Leach			2956	05/11/21 10:10	CH	XM
Soluble	Analysis	300.0		1	2980	05/11/21 16:49	WP	XM

Client Sample ID: SW-28 Lab Sample ID: 890-652-28

Date Collected: 05/07/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 05:57	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 18:44	AJ	XM
Soluble	Leach	DI Leach			2956	05/11/21 10:10	CH	XM
Soluble	Analysis	300.0		1	2980	05/11/21 16:55	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-652-1
Project/Site: Dragon 36 State 4 H SDG: Lea County NM

Client Sample ID: SW-29 Lab Sample ID: 890-652-29

Date Collected: 05/07/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 06:18	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 19:05	AJ	XM
Soluble	Leach	DI Leach			2956	05/11/21 10:10	CH	XM
Soluble	Analysis	300.0		1	2980	05/11/21 17:00	WP	XM

Client Sample ID: SW-30 Lab Sample ID: 890-652-30

Date Collected: 05/07/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 06:38	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 19:25	AJ	XM
Soluble	Leach	DI Leach			2941	05/11/21 09:29	CH	XM
Soluble	Analysis	300.0		1	2979	05/11/21 18:00	WP	XM

Client Sample ID: SW-31 Lab Sample ID: 890-652-31

Date Collected: 05/07/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 08:00	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 19:46	AJ	XM
Soluble	Leach	DI Leach			2941	05/11/21 09:29	CH	XM
Soluble	Analysis	300.0		1	2979	05/11/21 18:05	WP	XM

Client Sample ID: SW-32 Lab Sample ID: 890-652-32

Date Collected: 05/07/21 00:00 **Matrix: Solid**
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 08:21	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 20:07	AJ	XM
Soluble	Leach	DI Leach			2941	05/11/21 09:29	CH	XM
Soluble	Analysis	300.0		1	2979	05/11/21 18:20	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Client Sample ID: SW-33

Lab Sample ID: 890-652-33
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 08:41	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 20:28	AJ	XM
Soluble	Leach	DI Leach			2941	05/11/21 09:29	CH	XM
Soluble	Analysis	300.0		1	2979	05/11/21 18:26	WP	XM

Client Sample ID: BH-30

Lab Sample ID: 890-652-34
Matrix: Solid
Date Collected: 05/07/21 00:00
Date Received: 05/10/21 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2939	05/11/21 09:26	KL	XM
Total/NA	Analysis	8021B		1	2961	05/12/21 09:01	KL	XM
Total/NA	Prep	8015NM Prep			2971	05/11/21 11:29	AM	XM
Total/NA	Analysis	8015B NM		1	2953	05/11/21 20:49	AJ	XM
Soluble	Leach	DI Leach			2941	05/11/21 09:29	CH	XM
Soluble	Analysis	300.0		1	2979	05/11/21 18:41	WP	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

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:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Dragon 36 State 4 H

Job ID: 890-652-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-652-1	BH-22	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-2	BH-23	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-3	BH-24	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-4	BH-25	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-5	BH-26	Solid	05/04/21 00:00	05/10/21 16:21	- 2
890-652-6	BH-27	Solid	05/04/21 00:00	05/10/21 16:21	- 1
890-652-7	BH-28	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-8	BH-29	Solid	05/04/21 00:00	05/10/21 16:21	- 1
890-652-9	SW-9	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-10	SW-10	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-11	SW-11	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-12	SW-12	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-13	SW-13	Solid	05/04/21 00:00	05/10/21 16:21	- 2
890-652-14	SW-14	Solid	05/04/21 00:00	05/10/21 16:21	- 2
890-652-15	SW-15	Solid	05/04/21 00:00	05/10/21 16:21	- 2
890-652-16	SW-16	Solid	05/04/21 00:00	05/10/21 16:21	- 2
890-652-17	SW-17	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-18	SW-18	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-19	SW-19	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-20	SW-20	Solid	05/04/21 00:00	05/10/21 16:21	- 3
890-652-21	SW-21	Solid	05/04/21 00:00	05/10/21 16:21	- 1
890-652-22	SW-22	Solid	05/04/21 00:00	05/10/21 16:21	- 1
890-652-23	SW-23	Solid	05/04/21 00:00	05/10/21 16:21	- 1
890-652-24	SW-24	Solid	05/04/21 00:00	05/10/21 16:21	- 1
890-652-25	SW-25	Solid	05/07/21 00:00	05/10/21 16:21	- 1
890-652-26	SW-26	Solid	05/07/21 00:00	05/10/21 16:21	- 1
890-652-27	SW-27	Solid	05/07/21 00:00	05/10/21 16:21	- 1
890-652-28	SW-28	Solid	05/07/21 00:00	05/10/21 16:21	- 1
890-652-29	SW-29	Solid	05/07/21 00:00	05/10/21 16:21	- 1
890-652-30	SW-30	Solid	05/07/21 00:00	05/10/21 16:21	- 1
890-652-31	SW-31	Solid	05/07/21 00:00	05/10/21 16:21	- 1
890-652-32	SW-32	Solid	05/07/21 00:00	05/10/21 16:21	- 1
890-652-33	SW-33	Solid	05/07/21 00:00	05/10/21 16:21	- 1
890-652-34	BH-30	Solid	05/07/21 00:00	05/10/21 16:21	- 0

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

890-652 Chain of Custody

Page 1 of 4

5/12/2021

Client Name: EOG Resources	Site Manager: Brittany Long
Project Name: Dragon 36 State 4H	
Project Location: (county, state) Lea County, NM	Project #: 212C-MD-02345
Invoice to: Todd Wells - EOG	
Receiving Laboratory: Xenco Eurofins	Sampler Signature:
Comments:	

ANALYSIS REQUEST

LAB #	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GCMS Vol. 8260B / 624	GCMS Semi. Vol. 8270C/625	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	BH-22 (3')	5/4/21			X			X				X		X												X					
	BH-23 (3')																														
	BH-24 (3')																														
	BH-25 (3')																														
	BH-26 (2')																														
	BH-27 (1')																														
	BH-28 (3')																														
	BH-29 (1')																														
	BSW-9 (3')																														
	SW-10 (3')																														

Relinquished by:	Date:	Time:	Received by: Date: 5.10.21 Time: 1625
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

Sample Temperature: 1.6 / 1.4

REMARKS:

- ☐ STANDARD
- ☒ : Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record

Page 2 of 4

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources

Site Manager: Brittany Long

Project Name: Dragon 36 State 4H

Project Location: (county, state) Lea County, NM

Project #: 212C-MD-02345

Invoice to: Todd Wells - EOG

Receiving Laboratory: Xenco Eurofins

Sampler Signature:

Comments:

LAB #	SAMPLE IDENTIFICATION	SAMPLING YEAR 2020 DATE	TIME	MATRIX WATER	SOIL	PRESERVATIVE METHOD HCL	HNO_3	ICE	None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	SW-11 (3')	5/4/21			X			X				X		X												X				
	SW-12 (3')	↓			↓			↓				↓		↓												↓				
	SW-13 (2')	↓			↓			↓				↓		↓												↓				
	SW-14 (2')	↓			↓			↓				↓		↓												↓				
	SW-15 (2')	↓			↓			↓				↓		↓												↓				
	SW-16 (2')	↓			↓			↓				↓		↓												↓				
	SW-17 (3')	↓			↓			↓				↓		↓												↓				
	SW-18 (3')	↓			↓			↓				↓		↓												↓				
	SW-19 (3')	↓			↓			↓				↓		↓												↓				
	SW-20 (3')	↓			↓			↓				↓		↓												↓				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]			[signature]	5·10·21	1621

Sample Temperature: Pg1

REMARKS:

- ☐ STANDARD
- ☒ Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

9067 W. Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

Client Name: EOG Resources
Site Manager: Brittany Long
Project Name: Dragon 36 State 4H
Project Location: (county, state) Lea County, NM
Project #: 212C-MD-02345
Invoice to: Todd Wells - EOG
Receiving Laboratory: Xenco Eurofins
Sampler Signature:
Comments:

ANALYSIS REQUEST

LAB #	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GCMS Vol. 8260B / 624	GCMS Semi Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	SW-21 (1')	5/4/21			X			X				X		X												X								
	SW-22 (1')																																	
	SW-23 (1')																																	
	SW-24 (1')																																	
	SW-25 (1')	5/7/21	E.M.																															
	SW-26 (1')	5/7/21																																
	SW-27 (1')	5/7/21																																
	SW-28 (1')	5/7/21																																
	SW-29 (1')	5/7/21																																
	SW-30 (1')	5/7/21																																

Relinquished by: Date: Time:
Received by: Date: Time:
Cloe Cuff 5.10.21 1621

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

Sample Temperature
Pg1

REMARKS:
- ☐ STANDARD
- ☒ : Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record

Page 4 of 4

Tetra Tech, Inc.

Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources	Site Manager: Brittany Long
Project Name: Dragon 36 State 4H	
Project Location: (county, state) Lea County, NM	Project #: 212C-MD-02345
Invoice to: Todd Wells - EOG	
Receiving Laboratory: Xenco Eurofins	Sampler Signature:
Comments:	

LAB #	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)
	SW-31 (1')	5/17/21			X			X			
	SW-32 (1')	5/17/21			X			X			
	SW-33 (1')				X			X			

ANALYSIS REQUEST

	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GCMS Vol. 8260B / 624	GCMS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
SW-31 (1')	X		X													X					
SW-32 (1')																					
SW-33 (1')																					

Relinquished by: Emily Mann	Date:	Time:	Received by: Cloe Cuff 5.10.21 1621
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Sample Temperature: Pg 1

REMARKS:

- ☐ STANDARD
- ☒ : Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-211 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 4
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-652-1
Address: 1211 W Florida Ave	Due Date Requested: 5/12/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Dragon 36 State 4 H	Project #: 88000013			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J - DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BH-22 (890-652-1)	5/4/21	Mountain		Solid			X	X	X	1	
BH-23 (890-652-2)	5/4/21	Mountain		Solid			X	X	X	1	
BH-24 (890-652-3)	5/4/21	Mountain		Solid			X	X	X	1	
BH-25 (890-652-4)	5/4/21	Mountain		Solid			X	X	X	1	
BH-26 (890-652-5)	5/4/21	Mountain		Solid			X	X	X	1	
BH-27 (890-652-6)	5/4/21	Mountain		Solid			X	X	X	1	
BH-28 (890-652-7)	5/4/21	Mountain		Solid			X	X	X	1	
BH-29 (890-652-8)	5/4/21	Mountain		Solid			X	X	X	1	
SW-9 (890-652-9)	5/4/21	Mountain		Solid			X	X	X	1	

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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment.

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Cee Apt 5.11.21				5-11-21 2:00 P.M	
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver 11/01/2020

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-211 3
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 3 of 4
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-652-1
Address: 1211 W Florida Ave,	Due Date Requested: 5/12/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Dragon 36 State 4 H	Project #: 88000013			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8016NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total Number of containers	Special Instructions/Note.
			Preservation Code:								
SW-19 (890-652-19)	5/4/21	Mountain		Solid			X	X	X	1	
SW-20 (890-652-20)	5/4/21	Mountain		Solid			X	X	X	1	
SW-21 (890-652-21)	5/4/21	Mountain		Solid			X	X	X	1	
SW-22 (890-652-22)	5/4/21	Mountain		Solid			X	X	X	1	
SW-23 (890-652-23)	5/4/21	Mountain		Solid			X	X	X	1	
SW-24 (890-652-24)	5/4/21	Mountain		Solid			X	X	X	1	
SW-25 (890-652-25)	5/7/21	Mountain		Solid			X	X	X	1	
SW-26 (890-652-26)	5/7/21	Mountain		Solid			X	X	X	1	
SW-27 (890-652-27)	5/7/21	Mountain		Solid			X	X	X	1	

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

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by: Clue Apte 5.11.21	Date/Time:	Company	Received by:	Date/Time: 5-11-21 2:00 PM	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-652-1
SDG Number: Lea County NM

Login Number: 652
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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: 890-652-1
SDG Number: Lea County NM

Login Number: 652
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 05/11/21 02:07 PM

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.	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 <6mm (1/4").	True	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-551-1
Laboratory Sample Delivery Group: 212C-MD-02345
Client Project/Site: EOG Dragon 36 State 4H
Revision: 1

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
5/17/2021 11:34:26 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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.

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Job ID: 890-551-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-551-1

Comments
No additional comments.

Receipt
The samples were received on 4/21/2021 10:19 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.2º C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: BH-1 (2') (890-551-1), BH-2 (2') (890-551-2), BH-3 (1.5') (890-551-3), BH-4 (1.5') (890-551-4), BH-5 (1.5') (890-551-5), BH-6 (2') (890-551-6), BH-7 (2') (890-551-7), BH-8 (2') (890-551-8), BH-9 (2') (890-551-9), BH-10 (2') (890-551-10), BH-11 (2') (890-551-11), BH-12 (2') (890-551-12), BH-13 (2') (890-551-13), BH-14 (2') (890-551-14), BH-15 (2') (890-551-15), BH-16 (3') (890-551-16), BH-17 (3') (890-551-17), BH-18 (3') (890-551-18), BH-19 (3') (890-551-19), BH-20 (3') (890-551-20), BH-21 (3') (890-551-21), SW-1 (2') (890-551-22), SW-2 (1.5') (890-551-23), SW-3 (2') (890-551-24), SW-4 (3') (890-551-25), SW-5 (2') (890-551-26), SW-6 (3') (890-551-27), SW-7 (3') (890-551-28) and SW-8 (3') (890-551-29).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-1 (2') (890-551-1), BH-2 (2') (890-551-2) and BH-3 (1.5') (890-551-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-1 (2')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

Lab Sample ID: 890-551-1
Matrix: Solid

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		04/22/21 13:00	04/22/21 20:35	1
Toluene	**0.00199**		0.00199		mg/Kg		04/22/21 13:00	04/22/21 20:35	1
Ethylbenzene	**0.0135**		0.00199		mg/Kg		04/22/21 13:00	04/22/21 20:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/22/21 20:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/22/21 20:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/22/21 20:35	1
Total BTEX	**0.0155**		0.00398		mg/Kg		04/22/21 13:00	04/22/21 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/22/21 13:00*	*04/22/21 20:35*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*04/22/21 13:00*	*04/22/21 20:35*	*1*

Method: 8015B NM - Diesel 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		04/22/21 13:09	04/22/21 17:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 17:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 17:15	1
Total TPH	<49.9	U F1	49.9		mg/Kg		04/22/21 13:09	04/22/21 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/22/21 13:09*	*04/22/21 17:15*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/22/21 13:09*	*04/22/21 17:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**412**	**F1**	4.99		mg/Kg			04/23/21 03:08	1

Client Sample ID: BH-2 (2')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

Lab Sample ID: 890-551-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 20:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 20:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 20:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/22/21 20:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 20:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/22/21 20:56	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/22/21 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/22/21 13:00*	*04/22/21 20:56*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/22/21 13:00*	*04/22/21 20:56*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-2 (2')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

Lab Sample ID: 890-551-2
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		04/22/21 13:09	04/22/21 18:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 18:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 18:18	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/22/21 13:09*	*04/22/21 18:18*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/22/21 13:09*	*04/22/21 18:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**434**		4.96		mg/Kg			04/23/21 03:24	1

Client Sample ID: BH-3 (1.5')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 1.5

Lab Sample ID: 890-551-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00229**		0.00200		mg/Kg		04/22/21 13:00	04/22/21 21:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 21:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 21:16	1
m-Xylene & p-Xylene	**0.00606**		0.00399		mg/Kg		04/22/21 13:00	04/22/21 21:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 21:16	1
Xylenes, Total	**0.00606**		0.00399		mg/Kg		04/22/21 13:00	04/22/21 21:16	1
Total BTEX	**0.00835**		0.00399		mg/Kg		04/22/21 13:00	04/22/21 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*193*	*S1+*	*70 - 130*	*04/22/21 13:00*	*04/22/21 21:16*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/22/21 13:00*	*04/22/21 21:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		04/22/21 13:09	04/22/21 18:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/22/21 13:09	04/22/21 18:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/22/21 13:09	04/22/21 18:39	1
Total TPH	<49.8	U	49.8		mg/Kg		04/22/21 13:09	04/22/21 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/22/21 13:09*	*04/22/21 18:39*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/22/21 13:09*	*04/22/21 18:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.4**		4.95		mg/Kg			04/23/21 03:29	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-4 (1.5')

Lab Sample ID: 890-551-4
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 1.5

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		04/22/21 13:00	04/22/21 21:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/22/21 21:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/22/21 21:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/22/21 21:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/22/21 21:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/22/21 21:37	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/22/21 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/22/21 13:00*	*04/22/21 21:37*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*04/22/21 13:00*	*04/22/21 21:37*	*1*

Method: 8015B NM - Diesel 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		04/22/21 13:09	04/22/21 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 19:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 19:00	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/22/21 13:09*	*04/22/21 19:00*	*1*
o-Terphenyl	*121*		*70 - 130*	*04/22/21 13:09*	*04/22/21 19:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.9**		5.04		mg/Kg			04/23/21 03:34	1

Client Sample ID: BH-5 (1.5')

Lab Sample ID: 890-551-5
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		04/22/21 13:00	04/23/21 01:01	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		04/22/21 13:00	04/23/21 01:01	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		04/22/21 13:00	04/23/21 01:01	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		04/22/21 13:00	04/23/21 01:01	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		04/22/21 13:00	04/23/21 01:01	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		04/22/21 13:00	04/23/21 01:01	1
Total BTEX	<0.00399	U F1	0.00399		mg/Kg		04/22/21 13:00	04/23/21 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/22/21 13:00*	*04/23/21 01:01*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*04/22/21 13:00*	*04/23/21 01:01*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-5 (1.5')

Lab Sample ID: 890-551-5
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		04/22/21 13:09	04/22/21 19:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 19:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 19:21	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/22/21 13:09*	*04/22/21 19:21*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/22/21 13:09*	*04/22/21 19:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**227**		5.02		mg/Kg			04/23/21 03:39	1

Client Sample ID: BH-6 (2')

Lab Sample ID: 890-551-6
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
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		04/22/21 13:00	04/23/21 01:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 01:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 01:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/23/21 01:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 01:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/23/21 01:22	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/23/21 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/22/21 13:00*	*04/23/21 01:22*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/22/21 13:00*	*04/23/21 01:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		04/22/21 13:09	04/22/21 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 19:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 19:42	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/22/21 13:09*	*04/22/21 19:42*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/22/21 13:09*	*04/22/21 19:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**432**		5.02		mg/Kg			04/23/21 03:54	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-7 (2')

Lab Sample ID: 890-551-7
Matrix: Solid
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

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		04/22/21 13:00	04/23/21 01:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/22/21 13:00	04/23/21 01:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/22/21 13:00	04/23/21 01:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/22/21 13:00	04/23/21 01:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/22/21 13:00	04/23/21 01:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/22/21 13:00	04/23/21 01:42	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/22/21 13:00	04/23/21 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/22/21 13:00*	*04/23/21 01:42*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/22/21 13:00*	*04/23/21 01:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		04/22/21 13:09	04/22/21 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 20:03	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/22/21 13:09*	*04/22/21 20:03*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/22/21 13:09*	*04/22/21 20:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**348**		4.98		mg/Kg			04/23/21 03:59	1

Client Sample ID: BH-8 (2')

Lab Sample ID: 890-551-8
Matrix: Solid
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

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		04/22/21 13:00	04/23/21 02:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 02:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 02:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 02:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 02:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 02:03	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/22/21 13:00*	*04/23/21 02:03*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/22/21 13:00*	*04/23/21 02:03*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

Client Sample ID: BH-8 (2') Lab Sample ID: 890-551-8

Date Collected: 04/19/21 00:00 **Matrix: Solid**
Date Received: 04/21/21 10:19
Sample Depth: - 2

Method: 8015B NM - Diesel 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		04/22/21 13:09	04/22/21 20:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 20:24	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 20:24	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/22/21 13:09*	*04/22/21 20:24*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/22/21 13:09*	*04/22/21 20:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**369**		5.03		mg/Kg			04/23/21 04:04	1

Client Sample ID: BH-9 (2') Lab Sample ID: 890-551-9

Date Collected: 04/19/21 00:00 **Matrix: Solid**
Date Received: 04/21/21 10:19
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		04/22/21 13:00	04/23/21 02:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 02:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 02:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/23/21 02:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 02:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/23/21 02:24	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/23/21 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/22/21 13:00*	*04/23/21 02:24*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/22/21 13:00*	*04/23/21 02:24*	*1*

Method: 8015B NM - Diesel 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		04/22/21 13:09	04/22/21 20:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 20:45	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 20:45	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/22/21 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/22/21 13:09*	*04/22/21 20:45*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/22/21 13:09*	*04/22/21 20:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**409**		4.98		mg/Kg			04/23/21 04:09	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-10 (2')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

Lab Sample ID: 890-551-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 02:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 02:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 02:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/22/21 13:00	04/23/21 02:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 02:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/22/21 13:00	04/23/21 02:44	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/22/21 13:00	04/23/21 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/22/21 13:00*	*04/23/21 02:44*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/22/21 13:00*	*04/23/21 02:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		04/22/21 13:09	04/22/21 21:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 21:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 21:06	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/22/21 13:09*	*04/22/21 21:06*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/22/21 13:09*	*04/22/21 21:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**182**		4.98		mg/Kg			04/23/21 04:14	1

Client Sample ID: BH-11 (2')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

Lab Sample ID: 890-551-11
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 03:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 03:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 03:05	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/22/21 13:00	04/23/21 03:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 03:05	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/22/21 13:00	04/23/21 03:05	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/22/21 13:00	04/23/21 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/22/21 13:00*	*04/23/21 03:05*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*04/22/21 13:00*	*04/23/21 03:05*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-11 (2')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

Lab Sample ID: 890-551-11

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		04/22/21 13:09	04/23/21 07:25	1
Diesel Range Organics (Over C10-C28)	**88.7**		49.9		mg/Kg		04/22/21 13:09	04/23/21 07:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/23/21 07:25	1
Total TPH	**88.7**		49.9		mg/Kg		04/22/21 13:09	04/23/21 07:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/22/21 13:09*	*04/23/21 07:25*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/22/21 13:09*	*04/23/21 07:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**	**F1**	5.05		mg/Kg			04/23/21 04:19	1

Client Sample ID: BH-12 (2')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

Lab Sample ID: 890-551-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 03:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 03:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 03:25	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/22/21 13:00	04/23/21 03:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 03:25	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/22/21 13:00	04/23/21 03:25	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/22/21 13:00	04/23/21 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/22/21 13:00*	*04/23/21 03:25*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*04/22/21 13:00*	*04/23/21 03:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		04/22/21 13:09	04/23/21 07:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/22/21 13:09	04/23/21 07:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/22/21 13:09	04/23/21 07:46	1
Total TPH	<49.8	U	49.8		mg/Kg		04/22/21 13:09	04/23/21 07:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/22/21 13:09*	*04/23/21 07:46*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/22/21 13:09*	*04/23/21 07:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**167**		4.98		mg/Kg			04/23/21 04:35	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-13 (2')

Lab Sample ID: 890-551-13
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

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		04/22/21 13:00	04/23/21 03:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 03:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 03:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 03:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 03:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 03:46	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/22/21 13:00*	*04/23/21 03:46*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/22/21 13:00*	*04/23/21 03:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:08	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/22/21 13:09*	*04/23/21 08:08*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/22/21 13:09*	*04/23/21 08:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**151**		5.00		mg/Kg			04/23/21 04:40	1

Client Sample ID: BH-14 (2')

Lab Sample ID: 890-551-14
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

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		04/22/21 13:00	04/23/21 04:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 04:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 04:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 04:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 04:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 04:07	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/22/21 13:00*	*04/23/21 04:07*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/22/21 13:00*	*04/23/21 04:07*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

Client Sample ID: BH-14 (2') Lab Sample ID: 890-551-14

Date Collected: 04/19/21 00:00 **Matrix: Solid**
Date Received: 04/21/21 10:19
Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:29	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/22/21 13:09*	*04/23/21 08:29*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/22/21 13:09*	*04/23/21 08:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.2**		4.96		mg/Kg			04/23/21 04:55	1

Client Sample ID: BH-15 (2') Lab Sample ID: 890-551-15

Date Collected: 04/19/21 00:00 **Matrix: Solid**
Date Received: 04/21/21 10:19
Sample Depth: - 2

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		04/22/21 13:00	04/23/21 05:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 05:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 05:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 05:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 05:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 05:29	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/22/21 13:00*	*04/23/21 05:29*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/22/21 13:00*	*04/23/21 05:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:50	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 08:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/22/21 13:09*	*04/23/21 08:50*	*1*
o-Terphenyl	*129*		*70 - 130*	*04/22/21 13:09*	*04/23/21 08:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.5**		5.00		mg/Kg			04/23/21 05:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-16 (3')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

Lab Sample ID: 890-551-16
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 05:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 05:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 05:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/23/21 05:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 05:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/23/21 05:50	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/23/21 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/22/21 13:00*	*04/23/21 05:50*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/22/21 13:00*	*04/23/21 05:50*	*1*

Method: 8015B NM - Diesel 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		04/22/21 13:09	04/23/21 09:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/23/21 09:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/23/21 09:11	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/23/21 09:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/22/21 13:09*	*04/23/21 09:11*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/22/21 13:09*	*04/23/21 09:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.3**		5.00		mg/Kg			04/23/21 05:05	1

Client Sample ID: BH-17 (3')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

Lab Sample ID: 890-551-17
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 06:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 06:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 06:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/22/21 13:00	04/23/21 06:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/22/21 13:00	04/23/21 06:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/22/21 13:00	04/23/21 06:10	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/22/21 13:00	04/23/21 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/22/21 13:00*	*04/23/21 06:10*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/22/21 13:00*	*04/23/21 06:10*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-17 (3')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

Lab Sample ID: 890-551-17
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	<50.0	U *+	50.0		mg/Kg		04/22/21 13:09	04/23/21 09:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 09:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 09:32	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/22/21 13:09*	*04/23/21 09:32*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/22/21 13:09*	*04/23/21 09:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.3**		4.97		mg/Kg			04/23/21 05:10	1

Client Sample ID: BH-18 (3')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

Lab Sample ID: 890-551-18
Matrix: Solid

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		04/22/21 13:00	04/23/21 06:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 06:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 06:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 06:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 06:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 06:31	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/22/21 13:00*	*04/23/21 06:31*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/22/21 13:00*	*04/23/21 06:31*	*1*

Method: 8015B NM - Diesel 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		04/22/21 13:09	04/23/21 09:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/23/21 09:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/23/21 09:53	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:09	04/23/21 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/22/21 13:09*	*04/23/21 09:53*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/22/21 13:09*	*04/23/21 09:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.2**		4.99		mg/Kg			04/23/21 05:15	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-19 (3')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

Lab Sample ID: 890-551-19

Matrix: Solid

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		04/22/21 13:00	04/23/21 06:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/22/21 13:00	04/23/21 06:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/22/21 13:00	04/23/21 06:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/22/21 13:00	04/23/21 06:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/22/21 13:00	04/23/21 06:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/22/21 13:00	04/23/21 06:52	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/22/21 13:00	04/23/21 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/22/21 13:00*	*04/23/21 06:52*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/22/21 13:00*	*04/23/21 06:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		04/22/21 13:09	04/23/21 10:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 10:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 10:14	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/23/21 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/22/21 13:09*	*04/23/21 10:14*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/22/21 13:09*	*04/23/21 10:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.3**		4.95		mg/Kg			04/23/21 05:20	1

Client Sample ID: BH-20 (3')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

Lab Sample ID: 890-551-20

Matrix: Solid

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		04/22/21 13:00	04/23/21 07:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/22/21 13:00	04/23/21 07:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/22/21 13:00	04/23/21 07:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/22/21 13:00	04/23/21 07:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/22/21 13:00	04/23/21 07:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/22/21 13:00	04/23/21 07:12	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/22/21 13:00	04/23/21 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/22/21 13:00*	*04/23/21 07:12*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*04/22/21 13:00*	*04/23/21 07:12*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

Client Sample ID: BH-20 (3')
Lab Sample ID: 890-551-20
Date Collected: 04/19/21 00:00 **Matrix: Solid**
Date Received: 04/21/21 10:19
Sample Depth: - 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		04/22/21 13:09	04/23/21 10:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/22/21 13:09	04/23/21 10:38	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/22/21 13:09	04/23/21 10:38	1
Total TPH	<49.8	U	49.8		mg/Kg		04/22/21 13:09	04/23/21 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/22/21 13:09*	*04/23/21 10:38*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/22/21 13:09*	*04/23/21 10:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.6**		5.00		mg/Kg			04/23/21 05:25	1

Client Sample ID: BH-21 (3')
Lab Sample ID: 890-551-21
Date Collected: 04/19/21 00:00 **Matrix: Solid**
Date Received: 04/21/21 10:19
Sample Depth: - 3

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		04/22/21 13:00	04/23/21 07:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 07:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 07:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 07:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/23/21 07:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 07:33	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/23/21 07:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/22/21 13:00*	*04/23/21 07:33*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*04/22/21 13:00*	*04/23/21 07:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		04/22/21 13:28	04/23/21 09:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 09:32	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 09:32	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*04/22/21 13:28*	*04/23/21 09:32*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/22/21 13:28*	*04/23/21 09:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.9**		5.05		mg/Kg			04/23/21 13:20	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: SW-1 (2')

Lab Sample ID: 890-551-22
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

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		04/22/21 13:00	04/23/21 07:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/23/21 07:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/23/21 07:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/23/21 07:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/23/21 07:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/23/21 07:54	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/23/21 07:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/22/21 13:00*	*04/23/21 07:54*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/22/21 13:00*	*04/23/21 07:54*	*1*

Method: 8015B NM - Diesel 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		04/22/21 13:28	04/23/21 10:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 10:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 10:38	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/22/21 13:28*	*04/23/21 10:38*	*1*
o-Terphenyl	*90*		*70 - 130*	*04/22/21 13:28*	*04/23/21 10:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.4**		5.04		mg/Kg			04/23/21 13:25	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 890-551-23
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 1.5

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		04/22/21 13:00	04/23/21 08:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 08:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 08:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/23/21 08:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 08:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/23/21 08:15	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/23/21 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/22/21 13:00*	*04/23/21 08:15*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*04/22/21 13:00*	*04/23/21 08:15*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 890-551-23
Matrix: Solid
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/22/21 13:28	04/23/21 10:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/22/21 13:28	04/23/21 10:59	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/22/21 13:28	04/23/21 10:59	1
Total TPH	<49.8	U	49.8		mg/Kg		04/22/21 13:28	04/23/21 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/22/21 13:28*	*04/23/21 10:59*	*1*
o-Terphenyl	*90*		*70 - 130*	*04/22/21 13:28*	*04/23/21 10:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**440**		5.03		mg/Kg			04/23/21 13:30	1

Client Sample ID: SW-3 (2')

Lab Sample ID: 890-551-24
Matrix: Solid
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
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		04/22/21 13:00	04/23/21 08:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 08:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 08:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/23/21 08:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 08:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/23/21 08:35	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/23/21 08:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/22/21 13:00*	*04/23/21 08:35*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/22/21 13:00*	*04/23/21 08:35*	*1*

Method: 8015B NM - Diesel 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		04/22/21 13:28	04/23/21 11:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 11:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 11:20	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/22/21 13:28*	*04/23/21 11:20*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/22/21 13:28*	*04/23/21 11:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		4.98		mg/Kg			04/23/21 13:45	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: SW-4 (3')

Lab Sample ID: 890-551-25
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

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		04/22/21 13:00	04/22/21 17:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/22/21 17:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/22/21 17:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/22/21 17:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 13:00	04/22/21 17:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/22/21 17:20	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 13:00	04/22/21 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/22/21 13:00*	*04/22/21 17:20*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/22/21 13:00*	*04/22/21 17:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 11:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 11:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 11:41	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/22/21 13:28*	*04/23/21 11:41*	*1*
o-Terphenyl	*96*		*70 - 130*	*04/22/21 13:28*	*04/23/21 11:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		4.96		mg/Kg			04/23/21 13:50	1

Client Sample ID: SW-5 (2')

Lab Sample ID: 890-551-26
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

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		04/22/21 13:00	04/22/21 17:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/22/21 17:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/22/21 17:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/22/21 17:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/22/21 17:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/22/21 17:40	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/22/21 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/22/21 13:00*	*04/22/21 17:40*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/22/21 13:00*	*04/22/21 17:40*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: SW-5 (2')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 2

Lab Sample ID: 890-551-26
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	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 12:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 12:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 12:02	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/22/21 13:28*	*04/23/21 12:02*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/22/21 13:28*	*04/23/21 12:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**421**		4.96		mg/Kg			04/23/21 13:56	1

Client Sample ID: SW-6 (3')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

Lab Sample ID: 890-551-27
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 18:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 18:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 18:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/22/21 18:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 18:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/22/21 18:01	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/22/21 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/22/21 13:00*	*04/22/21 18:01*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/22/21 13:00*	*04/22/21 18:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 12:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 12:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 12:23	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*04/22/21 13:28*	*04/23/21 12:23*	*1*
o-Terphenyl	*84*		*70 - 130*	*04/22/21 13:28*	*04/23/21 12:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.5**		4.97		mg/Kg			04/23/21 14:01	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: SW-7 (3')

Lab Sample ID: 890-551-28
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

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		04/22/21 13:00	04/22/21 18:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 18:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 18:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/22/21 18:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/22/21 18:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/22/21 18:21	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/22/21 13:00	04/22/21 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/22/21 13:00*	*04/22/21 18:21*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/22/21 13:00*	*04/22/21 18:21*	*1*

Method: 8015B NM - Diesel 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		04/22/21 13:28	04/23/21 12:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 12:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 12:45	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*04/22/21 13:28*	*04/23/21 12:45*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/22/21 13:28*	*04/23/21 12:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		4.99		mg/Kg			04/23/21 14:06	1

Client Sample ID: SW-8 (3')

Lab Sample ID: 890-551-29
Matrix: Solid

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

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		04/22/21 13:00	04/22/21 18:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/22/21 18:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/22/21 18:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/22/21 18:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/21 13:00	04/22/21 18:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/22/21 18:42	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/22/21 13:00	04/22/21 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/22/21 13:00*	*04/22/21 18:42*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/22/21 13:00*	*04/22/21 18:42*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: SW-8 (3')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19
Sample Depth: - 3

Lab Sample ID: 890-551-29

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		04/22/21 13:28	04/23/21 13:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 13:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 13:06	1
Total TPH	<49.9	U	49.9		mg/Kg		04/22/21 13:28	04/23/21 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*04/22/21 13:28*	*04/23/21 13:06*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/22/21 13:28*	*04/23/21 13:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		5.00		mg/Kg			04/23/21 14:11	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
890-551-1	BH-1 (2')	104	122										
890-551-2	BH-2 (2')	118	108										
890-551-3	BH-3 (1.5')	193 S1+	86										
890-551-4	BH-4 (1.5')	96	117										
890-551-5	BH-5 (1.5')	100	122										
890-551-5 MS	BH-5 (1.5')	93	105										
890-551-5 MSD	BH-5 (1.5')	91	103										
890-551-6	BH-6 (2')	97	102										
890-551-7	BH-7 (2')	94	111										
890-551-8	BH-8 (2')	101	113										
890-551-9	BH-9 (2')	93	110										
890-551-10	BH-10 (2')	99	110										
890-551-11	BH-11 (2')	111	120										
890-551-12	BH-12 (2')	103	117										
890-551-13	BH-13 (2')	100	104										
890-551-14	BH-14 (2')	98	114										
890-551-15	BH-15 (2')	97	109										
890-551-16	BH-16 (3')	99	104										
890-551-17	BH-17 (3')	104	111										
890-551-18	BH-18 (3')	102	111										
890-551-19	BH-19 (3')	102	114										
890-551-20	BH-20 (3')	105	117										
890-551-21	BH-21 (3')	106	122										
890-551-22	SW-1 (2')	98	112										
890-551-23	SW-2 (1.5')	96	118										
890-551-24	SW-3 (2')	116	110										
890-551-25	SW-4 (3')	112	96										
890-551-26	SW-5 (2')	106	96										
890-551-27	SW-6 (3')	104	95										
890-551-28	SW-7 (3')	99	89										
890-551-29	SW-8 (3')	102	95										
LCS 880-2100/1-A	Lab Control Sample	94	112										
LCS 880-2101/1-A	Lab Control Sample	93	103										
LCS 880-2114/1-A	Lab Control Sample	106	101										
LCSD 880-2100/2-A	Lab Control Sample Dup	90	102										
LCSD 880-2101/2-A	Lab Control Sample Dup	91	102										
LCSD 880-2114/2-A	Lab Control Sample Dup	111	103										
MB 880-2100/5-A	Method Blank	112	100										
MB 880-2101/5-A	Method Blank	115	97										
MB 880-2114/5-A	Method Blank	90	91										

Surrogate Legend

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

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-551-1	BH-1 (2')	105	114
890-551-1 MS	BH-1 (2')	115	107
890-551-1 MSD	BH-1 (2')	113	100
890-551-2	BH-2 (2')	99	107
890-551-3	BH-3 (1.5')	104	114
890-551-4	BH-4 (1.5')	108	121
890-551-5	BH-5 (1.5')	103	109
890-551-6	BH-6 (2')	106	113
890-551-7	BH-7 (2')	107	115
890-551-8	BH-8 (2')	108	118
890-551-9	BH-9 (2')	99	103
890-551-10	BH-10 (2')	105	113
890-551-11	BH-11 (2')	107	120
890-551-12	BH-12 (2')	110	117
890-551-13	BH-13 (2')	101	106
890-551-14	BH-14 (2')	108	120
890-551-15	BH-15 (2')	117	129
890-551-16	BH-16 (3')	104	112
890-551-17	BH-17 (3')	102	110
890-551-18	BH-18 (3')	110	122
890-551-19	BH-19 (3')	109	119
890-551-20	BH-20 (3')	108	115
890-551-21	BH-21 (3')	118	106
890-551-21 MS	BH-21 (3')	107	84
890-551-21 MSD	BH-21 (3')	106	83
890-551-22	SW-1 (2')	102	90
890-551-23	SW-2 (1.5')	103	90
890-551-24	SW-3 (2')	101	91
890-551-25	SW-4 (3')	109	96
890-551-26	SW-5 (2')	107	92
890-551-27	SW-6 (3')	94	84
890-551-28	SW-7 (3')	120	102
890-551-29	SW-8 (3')	115	100
LCS 880-2154/2-A	Lab Control Sample	111	112
LCS 880-2156/2-A	Lab Control Sample	106	90
LCSD 880-2154/3-A	Lab Control Sample Dup	108	109
LCSD 880-2156/3-A	Lab Control Sample Dup	111	98
MB 880-2154/1-A	Method Blank	108	124
MB 880-2156/1-A	Method Blank	118	110

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2100/5-A
Matrix: Solid
Analysis Batch: 2135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/22/21 10:00	04/22/21 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/22/21 10:00*	*04/22/21 13:41*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/22/21 10:00*	*04/22/21 13:41*	*1*

Lab Sample ID: LCS 880-2100/1-A
Matrix: Solid
Analysis Batch: 2135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2100

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08422		mg/Kg		84	70 - 130		
Toluene			0.100	0.1007		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.09893		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.1969		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09731		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-2100/2-A
Matrix: Solid
Analysis Batch: 2135

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2100

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08720		mg/Kg		87	70 - 130	3	35
Toluene			0.100	0.09383		mg/Kg		94	70 - 130	7	35
Ethylbenzene			0.100	0.09142		mg/Kg		91	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1861		mg/Kg		93	70 - 130	6	35
o-Xylene			0.100	0.09027		mg/Kg		90	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-2101/5-A
Matrix: Solid
Analysis Batch: 2135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 00:39	1

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

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

Lab Sample ID: MB 880-2101/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2135 **Prep Batch: 2101**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 00:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 00:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/23/21 00:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 13:00	04/23/21 00:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/23/21 00:39	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/22/21 13:00	04/23/21 00:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/22/21 13:00*	*04/23/21 00:39*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/22/21 13:00*	*04/23/21 00:39*	*1*

Lab Sample ID: LCS 880-2101/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2135 **Prep Batch: 2101**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08228		mg/Kg		82	70 - 130		
Toluene			0.100	0.09335		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.09097		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene			0.200	0.1755		mg/Kg		88	70 - 130		
o-Xylene			0.100	0.08677		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-2101/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2135 **Prep Batch: 2101**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08624		mg/Kg		86	70 - 130	5	35
Toluene			0.100	0.09216		mg/Kg		92	70 - 130	1	35
Ethylbenzene			0.100	0.08816		mg/Kg		88	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1778		mg/Kg		89	70 - 130	1	35
o-Xylene			0.100	0.08839		mg/Kg		88	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-551-5 MS **Client Sample ID: BH-5 (1.5')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2135 **Prep Batch: 2101**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.0994	0.06025	F1	mg/Kg		59	70 - 130		
Toluene	<0.00200	U F1	0.0994	0.06844	F1	mg/Kg		69	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

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

Lab Sample ID: 890-551-5 MS
Matrix: Solid
Analysis Batch: 2135

Client Sample ID: BH-5 (1.5')
Prep Type: Total/NA
Prep Batch: 2101

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.0994	0.06100	F1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.199	0.1270	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00200	U F1	0.0994	0.06276	F1	mg/Kg		63	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-551-5 MSD
Matrix: Solid
Analysis Batch: 2135

Client Sample ID: BH-5 (1.5')
Prep Type: Total/NA
Prep Batch: 2101

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.06762	F1	mg/Kg		66	70 - 130	12	35
Toluene	<0.00200	U F1	0.100	0.07219		mg/Kg		72	70 - 130	5	35
Ethylbenzene	<0.00200	U F1	0.100	0.06697	F1	mg/Kg		67	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1356	F1	mg/Kg		68	70 - 130	7	35
o-Xylene	<0.00200	U F1	0.100	0.06991		mg/Kg		70	70 - 130	11	35

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

Lab Sample ID: MB 880-2114/5-A
Matrix: Solid
Analysis Batch: 2129

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/21 10:00	04/22/21 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 12:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/21 10:00	04/22/21 12:08	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/22/21 10:00	04/22/21 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*04/22/21 10:00*	*04/22/21 12:08*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/22/21 10:00*	*04/22/21 12:08*	*1*

Lab Sample ID: LCS 880-2114/1-A
Matrix: Solid
Analysis Batch: 2129

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1005		mg/Kg		100	70 - 130
Toluene	0.100	0.09455		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09576		mg/Kg		96	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

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

Lab Sample ID: LCS 880-2114/1-A
Matrix: Solid
Analysis Batch: 2129

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	0.200	0.2043		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1027		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-2114/2-A
Matrix: Solid
Analysis Batch: 2129

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1075		mg/Kg		107	70 - 130	7	35
Toluene	0.100	0.1007		mg/Kg		101	70 - 130	6	35
Ethylbenzene	0.100	0.1035		mg/Kg		103	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2228		mg/Kg		111	70 - 130	9	35
o-Xylene	0.100	0.1120		mg/Kg		112	70 - 130	9	35

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

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

Lab Sample ID: MB 880-2154/1-A
Matrix: Solid
Analysis Batch: 2136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 16:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 16:09	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:09	04/22/21 16:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/22/21 13:09*	*04/22/21 16:09*	*1*
o-Terphenyl	*124*		*70 - 130*	*04/22/21 13:09*	*04/22/21 16:09*	*1*

Lab Sample ID: LCS 880-2154/2-A
Matrix: Solid
Analysis Batch: 2136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1141		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1174		mg/Kg		117	70 - 130

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

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

Lab Sample ID: LCS 880-2154/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2136 **Prep Batch: 2154**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-2154/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2136 **Prep Batch: 2154**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1355	*+	mg/Kg		136	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	1126		mg/Kg		113	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 890-551-1 MS **Client Sample ID: BH-1 (2')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2136 **Prep Batch: 2154**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	998	1327		mg/Kg		130	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1288		mg/Kg		127	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-551-1 MSD **Client Sample ID: BH-1 (2')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2136 **Prep Batch: 2154**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	998	1316		mg/Kg		129	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1274		mg/Kg		126	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	100		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

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

Lab Sample ID: MB 880-2156/1-A
Matrix: Solid
Analysis Batch: 2138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 08:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 08:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 08:29	1
Total TPH	<50.0	U	50.0		mg/Kg		04/22/21 13:28	04/23/21 08:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*04/22/21 13:28*	*04/23/21 08:29*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/22/21 13:28*	*04/23/21 08:29*	*1*

Lab Sample ID: LCS 880-2156/2-A
Matrix: Solid
Analysis Batch: 2138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2156

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1267		mg/Kg		127	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	931.4		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: LCSD 880-2156/3-A
Matrix: Solid
Analysis Batch: 2138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2156

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1298		mg/Kg		130	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1005		mg/Kg		100	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-551-21 MS
Matrix: Solid
Analysis Batch: 2138

Client Sample ID: BH-21 (3')
Prep Type: Total/NA
Prep Batch: 2156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	1373	F1	mg/Kg		138	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	991.1		mg/Kg		99	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

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

Lab Sample ID: 890-551-21 MS Client Sample ID: BH-21 (3')
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 2138 Prep Batch: 2156

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-551-21 MSD Client Sample ID: BH-21 (3')
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 2138 Prep Batch: 2156

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	1325	F1	mg/Kg		133	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	982.8		mg/Kg		98	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	83		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2145/1-A Client Sample ID: Method Blank
Matrix: Solid Prep Type: Soluble
Analysis Batch: 2182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/23/21 02:53	1

Lab Sample ID: LCS 880-2145/2-A Client Sample ID: Lab Control Sample
Matrix: Solid Prep Type: Soluble
Analysis Batch: 2182

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.2		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-2145/3-A Client Sample ID: Lab Control Sample Dup
Matrix: Solid Prep Type: Soluble
Analysis Batch: 2182

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	256.0		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-551-1 MS Client Sample ID: BH-1 (2')
Matrix: Solid Prep Type: Soluble
Analysis Batch: 2182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	412	F1	250	598.1	F1	mg/Kg		74	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-551-1 MSD — **Client Sample ID: BH-1 (2')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	412	F1	250	630.8	F1	mg/Kg		88	90 - 110	5	20

Lab Sample ID: 890-551-11 MS — **Client Sample ID: BH-11 (2')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	174	F1	253	399.3	F1	mg/Kg		89	90 - 110

Lab Sample ID: 890-551-11 MSD — **Client Sample ID: BH-11 (2')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	174	F1	253	407.2		mg/Kg		92	90 - 110	2	20

Lab Sample ID: MB 880-2146/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/23/21 12:44	1

Lab Sample ID: LCS 880-2146/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2210

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	258.6		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-2146/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2210

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	257.3		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-551-29 MS — **Client Sample ID: SW-8 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2210

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	119		250	372.0		mg/Kg		101	90 - 110

Lab Sample ID: 890-551-29 MSD — **Client Sample ID: SW-8 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2210

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	119		250	361.7		mg/Kg		97	90 - 110	3	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

GC VOA

Prep Batch: 2100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-1	BH-1 (2')	Total/NA	Solid	5035	
890-551-2	BH-2 (2')	Total/NA	Solid	5035	
890-551-3	BH-3 (1.5')	Total/NA	Solid	5035	
890-551-4	BH-4 (1.5')	Total/NA	Solid	5035	
MB 880-2100/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2100/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2100/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 2101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-5	BH-5 (1.5')	Total/NA	Solid	5035	
890-551-6	BH-6 (2')	Total/NA	Solid	5035	
890-551-7	BH-7 (2')	Total/NA	Solid	5035	
890-551-8	BH-8 (2')	Total/NA	Solid	5035	
890-551-9	BH-9 (2')	Total/NA	Solid	5035	
890-551-10	BH-10 (2')	Total/NA	Solid	5035	
890-551-11	BH-11 (2')	Total/NA	Solid	5035	
890-551-12	BH-12 (2')	Total/NA	Solid	5035	
890-551-13	BH-13 (2')	Total/NA	Solid	5035	
890-551-14	BH-14 (2')	Total/NA	Solid	5035	
890-551-15	BH-15 (2')	Total/NA	Solid	5035	
890-551-16	BH-16 (3')	Total/NA	Solid	5035	
890-551-17	BH-17 (3')	Total/NA	Solid	5035	
890-551-18	BH-18 (3')	Total/NA	Solid	5035	
890-551-19	BH-19 (3')	Total/NA	Solid	5035	
890-551-20	BH-20 (3')	Total/NA	Solid	5035	
890-551-21	BH-21 (3')	Total/NA	Solid	5035	
890-551-22	SW-1 (2')	Total/NA	Solid	5035	
890-551-23	SW-2 (1.5')	Total/NA	Solid	5035	
890-551-24	SW-3 (2')	Total/NA	Solid	5035	
MB 880-2101/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2101/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2101/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-551-5 MS	BH-5 (1.5')	Total/NA	Solid	5035	
890-551-5 MSD	BH-5 (1.5')	Total/NA	Solid	5035	

Prep Batch: 2114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-25	SW-4 (3')	Total/NA	Solid	5035	
890-551-26	SW-5 (2')	Total/NA	Solid	5035	
890-551-27	SW-6 (3')	Total/NA	Solid	5035	
890-551-28	SW-7 (3')	Total/NA	Solid	5035	
890-551-29	SW-8 (3')	Total/NA	Solid	5035	
MB 880-2114/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2114/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2114/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-25	SW-4 (3')	Total/NA	Solid	8021B	2114
890-551-26	SW-5 (2')	Total/NA	Solid	8021B	2114

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

GC VOA (Continued)

Analysis Batch: 2129 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-27	SW-6 (3')	Total/NA	Solid	8021B	2114
890-551-28	SW-7 (3')	Total/NA	Solid	8021B	2114
890-551-29	SW-8 (3')	Total/NA	Solid	8021B	2114
MB 880-2114/5-A	Method Blank	Total/NA	Solid	8021B	2114
LCS 880-2114/1-A	Lab Control Sample	Total/NA	Solid	8021B	2114
LCSD 880-2114/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2114

Analysis Batch: 2135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-1	BH-1 (2')	Total/NA	Solid	8021B	2100
890-551-2	BH-2 (2')	Total/NA	Solid	8021B	2100
890-551-3	BH-3 (1.5')	Total/NA	Solid	8021B	2100
890-551-4	BH-4 (1.5')	Total/NA	Solid	8021B	2100
890-551-5	BH-5 (1.5')	Total/NA	Solid	8021B	2101
890-551-6	BH-6 (2')	Total/NA	Solid	8021B	2101
890-551-7	BH-7 (2')	Total/NA	Solid	8021B	2101
890-551-8	BH-8 (2')	Total/NA	Solid	8021B	2101
890-551-9	BH-9 (2')	Total/NA	Solid	8021B	2101
890-551-10	BH-10 (2')	Total/NA	Solid	8021B	2101
890-551-11	BH-11 (2')	Total/NA	Solid	8021B	2101
890-551-12	BH-12 (2')	Total/NA	Solid	8021B	2101
890-551-13	BH-13 (2')	Total/NA	Solid	8021B	2101
890-551-14	BH-14 (2')	Total/NA	Solid	8021B	2101
890-551-15	BH-15 (2')	Total/NA	Solid	8021B	2101
890-551-16	BH-16 (3')	Total/NA	Solid	8021B	2101
890-551-17	BH-17 (3')	Total/NA	Solid	8021B	2101
890-551-18	BH-18 (3')	Total/NA	Solid	8021B	2101
890-551-19	BH-19 (3')	Total/NA	Solid	8021B	2101
890-551-20	BH-20 (3')	Total/NA	Solid	8021B	2101
890-551-21	BH-21 (3')	Total/NA	Solid	8021B	2101
890-551-22	SW-1 (2')	Total/NA	Solid	8021B	2101
890-551-23	SW-2 (1.5')	Total/NA	Solid	8021B	2101
890-551-24	SW-3 (2')	Total/NA	Solid	8021B	2101
MB 880-2100/5-A	Method Blank	Total/NA	Solid	8021B	2100
MB 880-2101/5-A	Method Blank	Total/NA	Solid	8021B	2101
LCS 880-2100/1-A	Lab Control Sample	Total/NA	Solid	8021B	2100
LCS 880-2101/1-A	Lab Control Sample	Total/NA	Solid	8021B	2101
LCSD 880-2100/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2100
LCSD 880-2101/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2101
890-551-5 MS	BH-5 (1.5')	Total/NA	Solid	8021B	2101
890-551-5 MSD	BH-5 (1.5')	Total/NA	Solid	8021B	2101

GC Semi VOA

Analysis Batch: 2136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-1	BH-1 (2')	Total/NA	Solid	8015B NM	2154
890-551-2	BH-2 (2')	Total/NA	Solid	8015B NM	2154
890-551-3	BH-3 (1.5')	Total/NA	Solid	8015B NM	2154
890-551-4	BH-4 (1.5')	Total/NA	Solid	8015B NM	2154
890-551-5	BH-5 (1.5')	Total/NA	Solid	8015B NM	2154

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

GC Semi VOA (Continued)

Analysis Batch: 2136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-6	BH-6 (2')	Total/NA	Solid	8015B NM	2154
890-551-7	BH-7 (2')	Total/NA	Solid	8015B NM	2154
890-551-8	BH-8 (2')	Total/NA	Solid	8015B NM	2154
890-551-9	BH-9 (2')	Total/NA	Solid	8015B NM	2154
890-551-10	BH-10 (2')	Total/NA	Solid	8015B NM	2154
890-551-11	BH-11 (2')	Total/NA	Solid	8015B NM	2154
890-551-12	BH-12 (2')	Total/NA	Solid	8015B NM	2154
890-551-13	BH-13 (2')	Total/NA	Solid	8015B NM	2154
890-551-14	BH-14 (2')	Total/NA	Solid	8015B NM	2154
890-551-15	BH-15 (2')	Total/NA	Solid	8015B NM	2154
890-551-16	BH-16 (3')	Total/NA	Solid	8015B NM	2154
890-551-17	BH-17 (3')	Total/NA	Solid	8015B NM	2154
890-551-18	BH-18 (3')	Total/NA	Solid	8015B NM	2154
890-551-19	BH-19 (3')	Total/NA	Solid	8015B NM	2154
890-551-20	BH-20 (3')	Total/NA	Solid	8015B NM	2154
MB 880-2154/1-A	Method Blank	Total/NA	Solid	8015B NM	2154
LCS 880-2154/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2154
LCSD 880-2154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2154
890-551-1 MS	BH-1 (2')	Total/NA	Solid	8015B NM	2154
890-551-1 MSD	BH-1 (2')	Total/NA	Solid	8015B NM	2154

Analysis Batch: 2138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-21	BH-21 (3')	Total/NA	Solid	8015B NM	2156
890-551-22	SW-1 (2')	Total/NA	Solid	8015B NM	2156
890-551-23	SW-2 (1.5')	Total/NA	Solid	8015B NM	2156
890-551-24	SW-3 (2')	Total/NA	Solid	8015B NM	2156
890-551-25	SW-4 (3')	Total/NA	Solid	8015B NM	2156
890-551-26	SW-5 (2')	Total/NA	Solid	8015B NM	2156
890-551-27	SW-6 (3')	Total/NA	Solid	8015B NM	2156
890-551-28	SW-7 (3')	Total/NA	Solid	8015B NM	2156
890-551-29	SW-8 (3')	Total/NA	Solid	8015B NM	2156
MB 880-2156/1-A	Method Blank	Total/NA	Solid	8015B NM	2156
LCS 880-2156/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2156
LCSD 880-2156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2156
890-551-21 MS	BH-21 (3')	Total/NA	Solid	8015B NM	2156
890-551-21 MSD	BH-21 (3')	Total/NA	Solid	8015B NM	2156

Prep Batch: 2154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-1	BH-1 (2')	Total/NA	Solid	8015NM Prep	
890-551-2	BH-2 (2')	Total/NA	Solid	8015NM Prep	
890-551-3	BH-3 (1.5')	Total/NA	Solid	8015NM Prep	
890-551-4	BH-4 (1.5')	Total/NA	Solid	8015NM Prep	
890-551-5	BH-5 (1.5')	Total/NA	Solid	8015NM Prep	
890-551-6	BH-6 (2')	Total/NA	Solid	8015NM Prep	
890-551-7	BH-7 (2')	Total/NA	Solid	8015NM Prep	
890-551-8	BH-8 (2')	Total/NA	Solid	8015NM Prep	
890-551-9	BH-9 (2')	Total/NA	Solid	8015NM Prep	
890-551-10	BH-10 (2')	Total/NA	Solid	8015NM Prep	
890-551-11	BH-11 (2')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

GC Semi VOA (Continued)

Prep Batch: 2154 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-12	BH-12 (2')	Total/NA	Solid	8015NM Prep	
890-551-13	BH-13 (2')	Total/NA	Solid	8015NM Prep	
890-551-14	BH-14 (2')	Total/NA	Solid	8015NM Prep	
890-551-15	BH-15 (2')	Total/NA	Solid	8015NM Prep	
890-551-16	BH-16 (3')	Total/NA	Solid	8015NM Prep	
890-551-17	BH-17 (3')	Total/NA	Solid	8015NM Prep	
890-551-18	BH-18 (3')	Total/NA	Solid	8015NM Prep	
890-551-19	BH-19 (3')	Total/NA	Solid	8015NM Prep	
890-551-20	BH-20 (3')	Total/NA	Solid	8015NM Prep	
MB 880-2154/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2154/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-551-1 MS	BH-1 (2')	Total/NA	Solid	8015NM Prep	
890-551-1 MSD	BH-1 (2')	Total/NA	Solid	8015NM Prep	

Prep Batch: 2156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-21	BH-21 (3')	Total/NA	Solid	8015NM Prep	
890-551-22	SW-1 (2')	Total/NA	Solid	8015NM Prep	
890-551-23	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
890-551-24	SW-3 (2')	Total/NA	Solid	8015NM Prep	
890-551-25	SW-4 (3')	Total/NA	Solid	8015NM Prep	
890-551-26	SW-5 (2')	Total/NA	Solid	8015NM Prep	
890-551-27	SW-6 (3')	Total/NA	Solid	8015NM Prep	
890-551-28	SW-7 (3')	Total/NA	Solid	8015NM Prep	
890-551-29	SW-8 (3')	Total/NA	Solid	8015NM Prep	
MB 880-2156/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2156/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-551-21 MS	BH-21 (3')	Total/NA	Solid	8015NM Prep	
890-551-21 MSD	BH-21 (3')	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-1	BH-1 (2')	Soluble	Solid	DI Leach	
890-551-2	BH-2 (2')	Soluble	Solid	DI Leach	
890-551-3	BH-3 (1.5')	Soluble	Solid	DI Leach	
890-551-4	BH-4 (1.5')	Soluble	Solid	DI Leach	
890-551-5	BH-5 (1.5')	Soluble	Solid	DI Leach	
890-551-6	BH-6 (2')	Soluble	Solid	DI Leach	
890-551-7	BH-7 (2')	Soluble	Solid	DI Leach	
890-551-8	BH-8 (2')	Soluble	Solid	DI Leach	
890-551-9	BH-9 (2')	Soluble	Solid	DI Leach	
890-551-10	BH-10 (2')	Soluble	Solid	DI Leach	
890-551-11	BH-11 (2')	Soluble	Solid	DI Leach	
890-551-12	BH-12 (2')	Soluble	Solid	DI Leach	
890-551-13	BH-13 (2')	Soluble	Solid	DI Leach	
890-551-14	BH-14 (2')	Soluble	Solid	DI Leach	
890-551-15	BH-15 (2')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

HPLC/IC (Continued)

Leach Batch: 2145 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-16	BH-16 (3')	Soluble	Solid	DI Leach	
890-551-17	BH-17 (3')	Soluble	Solid	DI Leach	
890-551-18	BH-18 (3')	Soluble	Solid	DI Leach	
890-551-19	BH-19 (3')	Soluble	Solid	DI Leach	
890-551-20	BH-20 (3')	Soluble	Solid	DI Leach	
MB 880-2145/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2145/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2145/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-551-1 MS	BH-1 (2')	Soluble	Solid	DI Leach	
890-551-1 MSD	BH-1 (2')	Soluble	Solid	DI Leach	
890-551-11 MS	BH-11 (2')	Soluble	Solid	DI Leach	
890-551-11 MSD	BH-11 (2')	Soluble	Solid	DI Leach	

Leach Batch: 2146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-21	BH-21 (3')	Soluble	Solid	DI Leach	
890-551-22	SW-1 (2')	Soluble	Solid	DI Leach	
890-551-23	SW-2 (1.5')	Soluble	Solid	DI Leach	
890-551-24	SW-3 (2')	Soluble	Solid	DI Leach	
890-551-25	SW-4 (3')	Soluble	Solid	DI Leach	
890-551-26	SW-5 (2')	Soluble	Solid	DI Leach	
890-551-27	SW-6 (3')	Soluble	Solid	DI Leach	
890-551-28	SW-7 (3')	Soluble	Solid	DI Leach	
890-551-29	SW-8 (3')	Soluble	Solid	DI Leach	
MB 880-2146/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2146/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2146/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-551-29 MS	SW-8 (3')	Soluble	Solid	DI Leach	
890-551-29 MSD	SW-8 (3')	Soluble	Solid	DI Leach	

Analysis Batch: 2182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-1	BH-1 (2')	Soluble	Solid	300.0	2145
890-551-2	BH-2 (2')	Soluble	Solid	300.0	2145
890-551-3	BH-3 (1.5')	Soluble	Solid	300.0	2145
890-551-4	BH-4 (1.5')	Soluble	Solid	300.0	2145
890-551-5	BH-5 (1.5')	Soluble	Solid	300.0	2145
890-551-6	BH-6 (2')	Soluble	Solid	300.0	2145
890-551-7	BH-7 (2')	Soluble	Solid	300.0	2145
890-551-8	BH-8 (2')	Soluble	Solid	300.0	2145
890-551-9	BH-9 (2')	Soluble	Solid	300.0	2145
890-551-10	BH-10 (2')	Soluble	Solid	300.0	2145
890-551-11	BH-11 (2')	Soluble	Solid	300.0	2145
890-551-12	BH-12 (2')	Soluble	Solid	300.0	2145
890-551-13	BH-13 (2')	Soluble	Solid	300.0	2145
890-551-14	BH-14 (2')	Soluble	Solid	300.0	2145
890-551-15	BH-15 (2')	Soluble	Solid	300.0	2145
890-551-16	BH-16 (3')	Soluble	Solid	300.0	2145
890-551-17	BH-17 (3')	Soluble	Solid	300.0	2145
890-551-18	BH-18 (3')	Soluble	Solid	300.0	2145
890-551-19	BH-19 (3')	Soluble	Solid	300.0	2145

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

HPLC/IC (Continued)

Analysis Batch: 2182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-20	BH-20 (3')	Soluble	Solid	300.0	2145
MB 880-2145/1-A	Method Blank	Soluble	Solid	300.0	2145
LCS 880-2145/2-A	Lab Control Sample	Soluble	Solid	300.0	2145
LCSD 880-2145/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2145
890-551-1 MS	BH-1 (2')	Soluble	Solid	300.0	2145
890-551-1 MSD	BH-1 (2')	Soluble	Solid	300.0	2145
890-551-11 MS	BH-11 (2')	Soluble	Solid	300.0	2145
890-551-11 MSD	BH-11 (2')	Soluble	Solid	300.0	2145

Analysis Batch: 2210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-551-21	BH-21 (3')	Soluble	Solid	300.0	2146
890-551-22	SW-1 (2')	Soluble	Solid	300.0	2146
890-551-23	SW-2 (1.5')	Soluble	Solid	300.0	2146
890-551-24	SW-3 (2')	Soluble	Solid	300.0	2146
890-551-25	SW-4 (3')	Soluble	Solid	300.0	2146
890-551-26	SW-5 (2')	Soluble	Solid	300.0	2146
890-551-27	SW-6 (3')	Soluble	Solid	300.0	2146
890-551-28	SW-7 (3')	Soluble	Solid	300.0	2146
890-551-29	SW-8 (3')	Soluble	Solid	300.0	2146
MB 880-2146/1-A	Method Blank	Soluble	Solid	300.0	2146
LCS 880-2146/2-A	Lab Control Sample	Soluble	Solid	300.0	2146
LCSD 880-2146/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2146
890-551-29 MS	SW-8 (3')	Soluble	Solid	300.0	2146
890-551-29 MSD	SW-8 (3')	Soluble	Solid	300.0	2146

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-1 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 20:35	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 17:15	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 03:08	WP	XM

Client Sample ID: BH-2 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 20:56	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 18:18	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 03:24	WP	XM

Client Sample ID: BH-3 (1.5')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 21:16	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 18:39	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 03:29	WP	XM

Client Sample ID: BH-4 (1.5')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 21:37	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 19:00	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 03:34	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-5 (1.5')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 01:01	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 19:21	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 03:39	WP	XM

Client Sample ID: BH-6 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 01:22	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 19:42	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 03:54	WP	XM

Client Sample ID: BH-7 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 01:42	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 20:03	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 03:59	WP	XM

Client Sample ID: BH-8 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 02:03	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 20:24	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 04:04	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-9 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 02:24	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 20:45	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 04:09	WP	XM

Client Sample ID: BH-10 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 02:44	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/22/21 21:06	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 04:14	WP	XM

Client Sample ID: BH-11 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 03:05	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 07:25	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 04:19	WP	XM

Client Sample ID: BH-12 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 03:25	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 07:46	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 04:35	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-13 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 03:46	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 08:08	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 04:40	WP	XM

Client Sample ID: BH-14 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 04:07	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 08:29	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 04:55	WP	XM

Client Sample ID: BH-15 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 05:29	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 08:50	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 05:00	WP	XM

Client Sample ID: BH-16 (3')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 05:50	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 09:11	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 05:05	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-17 (3')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 06:10	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 09:32	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 05:10	WP	XM

Client Sample ID: BH-18 (3')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 06:31	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 09:53	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 05:15	WP	XM

Client Sample ID: BH-19 (3')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 06:52	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 10:14	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 05:20	WP	XM

Client Sample ID: BH-20 (3')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 07:12	KL	XM
Total/NA	Prep	8015NM Prep			2154	04/22/21 13:09	DM	XM
Total/NA	Analysis	8015B NM		1	2136	04/23/21 10:38	AJ	XM
Soluble	Leach	DI Leach			2145	04/22/21 12:31	CH	XM
Soluble	Analysis	300.0		1	2182	04/23/21 05:25	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: BH-21 (3')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 07:33	KL	XM
Total/NA	Prep	8015NM Prep			2156	04/22/21 13:28	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/23/21 09:32	AJ	XM
Soluble	Leach	DI Leach			2146	04/22/21 12:35	CH	XM
Soluble	Analysis	300.0		1	2210	04/23/21 13:20	CH	XM

Client Sample ID: SW-1 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 07:54	KL	XM
Total/NA	Prep	8015NM Prep			2156	04/22/21 13:28	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/23/21 10:38	AJ	XM
Soluble	Leach	DI Leach			2146	04/22/21 12:35	CH	XM
Soluble	Analysis	300.0		1	2210	04/23/21 13:25	CH	XM

Client Sample ID: SW-2 (1.5')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 08:15	KL	XM
Total/NA	Prep	8015NM Prep			2156	04/22/21 13:28	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/23/21 10:59	AJ	XM
Soluble	Leach	DI Leach			2146	04/22/21 12:35	CH	XM
Soluble	Analysis	300.0		1	2210	04/23/21 13:30	CH	XM

Client Sample ID: SW-3 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2101	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/23/21 08:35	KL	XM
Total/NA	Prep	8015NM Prep			2156	04/22/21 13:28	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/23/21 11:20	AJ	XM
Soluble	Leach	DI Leach			2146	04/22/21 12:35	CH	XM
Soluble	Analysis	300.0		1	2210	04/23/21 13:45	CH	XM

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: SW-4 (3')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2114	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2129	04/22/21 17:20	KL	XM
Total/NA	Prep	8015NM Prep			2156	04/22/21 13:28	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/23/21 11:41	AJ	XM
Soluble	Leach	DI Leach			2146	04/22/21 12:35	CH	XM
Soluble	Analysis	300.0		1	2210	04/23/21 13:50	CH	XM

Client Sample ID: SW-5 (2')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2114	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2129	04/22/21 17:40	KL	XM
Total/NA	Prep	8015NM Prep			2156	04/22/21 13:28	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/23/21 12:02	AJ	XM
Soluble	Leach	DI Leach			2146	04/22/21 12:35	CH	XM
Soluble	Analysis	300.0		1	2210	04/23/21 13:56	CH	XM

Client Sample ID: SW-6 (3')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2114	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2129	04/22/21 18:01	KL	XM
Total/NA	Prep	8015NM Prep			2156	04/22/21 13:28	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/23/21 12:23	AJ	XM
Soluble	Leach	DI Leach			2146	04/22/21 12:35	CH	XM
Soluble	Analysis	300.0		1	2210	04/23/21 14:01	CH	XM

Client Sample ID: SW-7 (3')
Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2114	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2129	04/22/21 18:21	KL	XM
Total/NA	Prep	8015NM Prep			2156	04/22/21 13:28	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/23/21 12:45	AJ	XM
Soluble	Leach	DI Leach			2146	04/22/21 12:35	CH	XM
Soluble	Analysis	300.0		1	2210	04/23/21 14:06	CH	XM

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Client Sample ID: SW-8 (3')

Date Collected: 04/19/21 00:00
Date Received: 04/21/21 10:19

Lab Sample ID: 890-551-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2114	04/22/21 13:00	KL	XM
Total/NA	Analysis	8021B		1	2129	04/22/21 18:42	KL	XM
Total/NA	Prep	8015NM Prep			2156	04/22/21 13:28	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/23/21 13:06	AJ	XM
Soluble	Leach	DI Leach			2146	04/22/21 12:35	CH	XM
Soluble	Analysis	300.0		1	2210	04/23/21 14:11	CH	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 890-551-1
Project/Site: EOG Dragon 36 State 4H SDG: 212C-MD-02345

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

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:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: EOG Dragon 36 State 4H

Job ID: 890-551-1
SDG: 212C-MD-02345

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-551-1	BH-1 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-2	BH-2 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-3	BH-3 (1.5')	Solid	04/19/21 00:00	04/21/21 10:19	- 1.5
890-551-4	BH-4 (1.5')	Solid	04/19/21 00:00	04/21/21 10:19	- 1.5
890-551-5	BH-5 (1.5')	Solid	04/19/21 00:00	04/21/21 10:19	- 1.5
890-551-6	BH-6 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-7	BH-7 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-8	BH-8 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-9	BH-9 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-10	BH-10 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-11	BH-11 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-12	BH-12 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-13	BH-13 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-14	BH-14 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-15	BH-15 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-16	BH-16 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3
890-551-17	BH-17 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3
890-551-18	BH-18 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3
890-551-19	BH-19 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3
890-551-20	BH-20 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3
890-551-21	BH-21 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3
890-551-22	SW-1 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-23	SW-2 (1.5')	Solid	04/19/21 00:00	04/21/21 10:19	- 1.5
890-551-24	SW-3 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-25	SW-4 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3
890-551-26	SW-5 (2')	Solid	04/19/21 00:00	04/21/21 10:19	- 2
890-551-27	SW-6 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3
890-551-28	SW-7 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3
890-551-29	SW-8 (3')	Solid	04/19/21 00:00	04/21/21 10:19	- 3

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

890-551 Chain of Custody

Client Name: EOG Resources	Site Manager: Brittany Long
Project Name: Jal Diesel Spill	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02469
Invoice to: Todd Wells	
Receiving Laboratory: Xenco/Eurofins	Sampler Signature: Ernest Mason
Comments:	

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	BH-1 (2')	4/19/2021			X				X					X		X												X								
	BH-2 (2')	4/19/2021			X				X					X		X												X								
	BH-3 (1.5')	4/19/2021			X				X					X		X												X								
	BH-4 (1.5')	4/19/2021			X				X					X		X												X								
	BH-5 (1.5')	4/19/2021			X				X					X		X												X								
	BH-6 (2')	4/19/2021			X				X					X		X												X								
	BH-7 (2')	4/19/2021			X				X					X		X												X								
	BH-8 (2')	4/19/2021			X				X					X		X												X								
	BH-9 (2')	4/19/2021			X				X					X		X												X								
	BH-10 (2')	4/19/2021			X				X					X		X												X								

Relinquished by: Ernest Mason	Date:	Time:	Received by: Clee Cuffs 4.21.21 1019
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature 0.4 / 0.2

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources	**Site Manager:** Brittany Long
Project Name: Jal Diesel Spill	
Project Location: (county, state) Lea County, New Mexico	**Project #:** 212C-MD-02469
Invoice to: Todd Wells	
Receiving Laboratory: Xenco/Eurofins	**Sampler Signature:** Evan Moore
Comments:	

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	BH-11 (2')	4/19/2021			X				X					X		X												X								
	BH-12 (2')	4/19/2021			X				X					X		X												X								
	BH-13 (2')	4/19/2021			X				X					X		X												X								
	BH-14 (2')	4/19/2021			X				X					X		X												X								
	BH-15 (2')	4/19/2021			X				X					X		X												X								
	BH-16 (3')	4/19/2021			X				X					X		X												X								
	BH-17 (3')	4/19/2021			X				X					X		X												X								
	BH-18 (3')	4/19/2021			X				X					X		X												X								
	BH-19 (3')	4/19/2021			X				X					X		X												X								
	BH-20 (3')	4/19/2021			X				X					X		X												X								

Relinquished by: Evan Moore	Date:	Time:	Received by: Clue Artt 4.21.21 1019
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature Pg 1

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources	**Site Manager:** Brittany Long
Project Name: Jal Diesel Spill	
Project Location: (county, state) Lea County, New Mexico	**Project #:** 212C-MD-02469
Invoice to: Todd Wells	
Receiving Laboratory: Xenco/Eurofins	**Sampler Signature:** Enid Mares
Comments:	

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	BH-21 (3')	4/19/2021			X				X					X		X												X								
	SW-1 (2')	4/19/2021			X				X					X		X												X								
	SW-2 (1.5')	4/19/2021			X				X					X		X												X								
	SW-3 (2')	4/19/2021			X				X					X		X												X								
	SW-4 (3')	4/19/2021			X				X					X		X												X								
	SW-5 (2')	4/19/2021			X				X					X		X												X								
	SW-6 (3')	4/19/2021			X				X					X		X												X								
	SW-7 3')	4/19/2021			X				X					X		X												X								
	SW-8 (3')	4/19/2021			X				X					X		X												X								

Relinquished by: Enid Mares	Date:	Time:
Received by: Ace Auth	Date: 4.21.21	Time: 1019
Relinquished by:	Date:	Time:
Received by:	Date:	Time:
Relinquished by:	Date:	Time:
Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: Rg 1

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone. 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-178 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 4
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-551-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 4/26/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Jal Diesel Spill	Project #: 88000013			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL	M Hexane
B - NaOH	N None
C Zn Acetate	O - AsNaO2
D Nitric Acid	P Na2O4S
E NaHSO4	Q Na2SO3
F - MeOH	R Na2S2O3
G Amchlor	S H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I Ice	U Acetone
J DI Water	V - MCAA
K - EDTA	W pH 4-5
L EDA	Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total Number of containers	Special Instructions/Note.
Preservation Code:											
BH-1 (2') (890-551-1)	4/19/21	Mountain		Solid			X	X	X	1	
BH-2 (2') (890-551-2)	4/19/21	Mountain		Solid			X	X	X	1	
BH-3 (1 5') (890-551-3)	4/19/21	Mountain		Solid			X	X	X	1	
BH-4 (1 5') (890-551-4)	4/19/21	Mountain		Solid			X	X	X	1	
BH-5 (1 5') (890-551-5)	4/19/21	Mountain		Solid			X	X	X	1	
BH-6 (2') (890-551-6)	4/19/21	Mountain		Solid			X	X	X	1	
BH-7 (2') (890-551-7)	4/19/21	Mountain		Solid			X	X	X	1	
BH-8 (2') (890-551-8)	4/19/21	Mountain		Solid			X	X	X	1	
BH-9 (2') (890-551-9)	4/19/21	Mountain		Solid			X	X	X	1	

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.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: Cloe Cuff 4 21 21	Date/Time:	Company	Received by:	Date/Time: 4-22-21 8:12:34m	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 11/01/2020

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-178 3
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 3 of 4
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-551-1
Address: 1211 W Florida Ave ,	Due Date Requested: 4/26/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Jal Diesel Spill	Project #: 88000013			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A - HCL	M Hexane		
B NaOH	N None		
C Zn Acetate	O - AsNaO2		
D Nitric Acid	P - Na2O4S		
E NaHSO4	Q Na2SO3		
F MeOH	R - Na2S2O3		
G Amchlor	S - H2SO4		
H Ascorbic Acid	T TSP Dodecahydrate		
I Ice	U - Acetone		
J - DI Water	V MCAA		
K EDTA	W pH 4-5		
L EDA	Z other (specify)		

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BH-19 (3') (890-551-19)	4/19/21	Mountain		Solid			X	X	X	1	
BH-20 (3') (890-551-20)	4/19/21	Mountain		Solid			X	X	X	1	
BH-21 (3') (890-551-21)	4/19/21	Mountain		Solid			X	X	X	1	
SW-1 (2') (890-551-22)	4/19/21	Mountain		Solid			X	X	X	1	
SW-2 (1 5') (890-551-23)	4/19/21	Mountain		Solid			X	X	X	1	
SW-3 (2') (890-551-24)	4/19/21	Mountain		Solid			X	X	X	1	
SW-4 (3') (890-551-25)	4/19/21	Mountain		Solid			X	X	X	1	
SW-5 (2') (890-551-26)	4/19/21	Mountain		Solid			X	X	X	1	
SW-6 (3') (890-551-27)	4/19/21	Mountain		Solid			X	X	X	1	

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.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: Cee Cuffs 4-21-21	Date/Time:	Company	Received by:	Date/Time: 4-22-21 12:30 pm	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-551-1
SDG Number: 212C-MD-02345

Login Number: 551
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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: 890-551-1
SDG Number: 212C-MD-02345

Login Number: 551
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 04/22/21 01:01 PM

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.	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 <6mm (1/4").	True	

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Robert Hamlet Date: 10/6/2021

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

Closure Approved by: Robert Hamlet Date: 10/6/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 36564

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36564
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2030056773 DRAGON 36 STATE #4H, thank you. This closure is approved.	10/6/2021