SITE INFORMATION

Report Type: Closure Report

NRM2011334979 / NAB1928444103 / NRM2003445187

General Site Information:						
Site:	Booster Pump 1003 / Oxy Sand Dunes Line / Oxy Reverse C Valve Set 3					
Company:	Solaris Water Midstream, LLC					
Section, Township and Range	Unit P	Sec. 24	T 24S	R 29E		
Lease Number:						
County:	Eddy County					
GPS:	32.19852			-103.93148		
Surface Owner:	Federal					
Mineral Owner:	Federal					
Directions:	From the intersection of McDonald Rd & Gavalin Rd, travel northeast on Gavalin Rd for approximately 0.25 miles to location on north side of lease road					

Release Data:	
Date Released:	4.20.2020 / 9.12.2019 / 12.7.2019
Type Release:	Produced Water
Source of Contamination:	Produced Water Line / Valve Connection Failure / Failed Weld
Fluid Released:	342 bbl / 20 bbl / 356 bbl
Fluids Recovered:	55 bbls / 0 bbl / 30 bbl

Official Communication:			
Name:	Rob Kirik		Clair Gonzales
Company:	Solaris Water Midstream, LLC		Tetra Tech
Address:	907 Tradewinds Blvd,		901 West Wall Street
	Ste B		Suite 100
City:	Midland, Texas 79706		Midland, Texas
Phone number:	469-978-5620		(432) 687-8110
Fax:			
Email:	rob.kirk@solarismidstream.com		Clair.Gonzales@tetratech.com

Site Characterization	
Depth to Groundwater:	*231.01' Below Surface*
Karst Potential:	*Low*
Significant Watercourse:	*Located Within 300' of Release*

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

December 2, 2021

Mr. Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report for the Solaris Water Midstream, LLC, Booster Pump 1003 Release, Oxy Sand Dunes Line, Oxy Reverse C Valve Set 3, Unit P, Section 24, Township 24 South, Range 29 East, Eddy County, New Mexico.
NRM2011334979 (Booster Pump 1003 Release)
NAB1928444103 (Oxy Sand Dunes Line)
NRM2003445187 (Oxy Reverse C Valve Set 3)

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by Solaris Water Midstream, LLC (Solaris) to assess a release that occurred at a failed 16 inch poly line at the booster pump, located in Unit P, Section 24, Township 24 South, Range 29 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.19852°, -103.93148°. 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 April 20, 2020, and released approximately 342 barrels of produced water due to a failed 16-inch poly line. Fifty-five (55) barrels of the produced water was recovered. The release occurred at the booster pump and began flowing South/Southwest, following the natural contours of McDonald Road. The impacted areas measuring approximately 800’ x 20’. The C-141 Form is included in Appendix A.

Site Background

Incident ID NAB1928444103

On April 1st, 2020, a work plan for the Oxy Sand Dunes Release was submitted by Solaris Water Midstream, LLC. According to the C-141, the release occurred on September 12, 2019, in a pasture and crossed numerous pipeline right-of-ways. There was approximately 20 barrels of produced water released due to a leak at the booster pump, the impacted area measured approximately 110’ x 125’ and 200’ x 5’. The areas of auger holes (AH-3, AH-4, and AH-5) from the Oxy Sand Dunes Release overlaps with the release of the Booster Pump 1003 Release. The results of the Oxy Sand Dunes sampling are summarized in Table 2. The Booster Pump 1003 Release is shown on Figure 3, the Oxy Sand Dunes Release is shown on Figure 4, and all release outlines are shown respective to one another on Figure 6.

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

TETRA TECH

Incident ID NRM2003445187

On April 1st, 2020, a work plan for the Oxy Reverse C Release was submitted by Solaris Water Midstream, LLC. According to the C-141, the release occurred on December 7, 2019, the release occurred at the set station and flowed southeast, following the north shoulder of Gavalin Road, then flowing across McDonald Road into a clearing and migrating into the draw. There was approximately 356 barrels of produced water released due to a weld failure on a manifold, the impacted area measured approximately 2400' x 4'. The areas of auger holes (AH-1, AH-2, and AH-3) from the Oxy Reverse C Release overlaps with the release of the Booster Pump 1003 Release. The results of the Oxy Reverse C sampling are summarized in Table 3. The Booster Pump 1003 Release is shown on Figure 3, the Oxy Reverse C Release is shown on Figure 5, and all release outlines are shown respective to one another on Figure 6.

Site Characterization

A site characterization was performed for the site and no lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. Additionally, the site is in a low karst potential area. However, a watercourse is located within 300' of the site, according to the USGS topographic map.

The nearest water well is listed on the United States Geological Survey (USGS) national water information system, approximately 1.06 miles Northeast of the site, and has a reported depth to groundwater of 231.02' below surface. According to the Chevron Texaco Groundwater Trend map, the average depth to groundwater in the area is approximately 175' below surface. The site characterization data is shown in Appendix B.

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 Assessment and Analytical Results

Auger Holes

On July 15, 2020, Tetra Tech personnel were onsite to evaluate and sample the release area. A total of sixteen (16) auger holes (AH-1 through AH-16) were installed in the area of the release, to total depths ranging from surface to 4.5' below surface. Soil samples were collected

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and submitted to the laboratory 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, none of the samples analyzed showed benzene or total BTEX concentrations above the laboratory reporting limits. However, the area of AH-11 and AH-13 showed TPH concentrations above the RRAL at 1.5' below surface, with concentrations of 424 mg/kg and 134 mg/kg, respectively. The areas of AH-3, AH-4, AH-6 through AH-8, and AH-10 through AH-16 showed chloride concentrations above RRALs at depths ranging from surface to 4.5', with concentration highs of 5,800 mg/kg, 4,770 mg/kg, 4,890 mg/kg, 1,730 mg/kg, 5,160 mg/kg, 1,750 mg/kg, 6,220 mg/kg, 5,760 mg/kg, 9,700 mg/kg, 4,470 mg/kg, 2,540 mg/kg, 5,050 mg/kg, respectively. The areas of AH-3, AH-6 through AH-8, and AH-10 through AH-16 were not vertically defined for chlorides; deeper samples were not collected due to the dense formation in the area.

Trenches

A total of eleven (11) trenches (Trench-1 through Trench-11) were installed in the area of the auger holes (AH-3, AH-6 through AH-8, and AH-10 through AH-16), to total depths ranging from surface to 10.0' below surface. Selected soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C and the results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, TPH concentrations were below the laboratory reporting limits in the area of Trench-1 through Trench-3, and Trench-5 through Trench-11, however the TPH concentration for the area of Trench-4 reported 1,260 mg/kg at a depth of 0-1.0' below surface. Also, the areas of trenches (Trench-1 through Trench-4, and Trench-6 through Trench-9) all showed chloride concentrations above the RRAL, with concentrations ranging from 15.6 mg/kg to 6,710 mg/kg. All areas trenched were vertically defined.

Horizontals

Referring to Table 1, none of the horizontal (H-1 through H-10) samples showed TPH, benzene, or BTEX concentrations above RRALs. Additionally, none of the horizontal samples showed chloride concentrations above the 600 mg/kg remediation level, with the exception of H-2 and H-3, which showed chloride concentrations of 1,180 mg/kg and 652 mg/kg, respectively. The concentration of 1,180 mg/kg may be a laboratory error but will be confirmed during remediation activities and will be remediated further as necessary.

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Remediation Activities

Tetra Tech personnel were onsite September 15, 2021 through October 15, 2021, to supervise the remediation and collect confirmation samples. The impacted areas were excavated to depths ranging from 2.0' below surface and 10.0' below surface, as shown on Figures 7A through 7C, and Table 4.

Confirmation bottom hole and sidewall samples were collected every 200-500 square feet, as approved by the OCD through the submitted work plan. A total of 77 bottom hole samples (BH-1 through BH-73, and BH-59A through BH-62A) and 88 sidewall samples (SW-1 through SW-87, and SW-17A) were collected to ensure proper removal of the impacted soils. Bottom holes (BH-59A through BH-62A) and sidewall (SW-17A) were mistakenly named the same as previously collected bottom hole and sidewall samples. Due to this mistake, the letter "A" has been added to the sample IDs on the table and figures to clarify sample identities. The bottomholes (BH-59A through BH-62A) were collected on October 14, 2021, and the sample results are shown on lab report (890-1445-1), shown in Appendix C. The sidewall (SW-17A) was collected on September 28, 2021, and the sample results are shown on lab report (890-1360-1), shown in Appendix C. 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. The sampling results are summarized in Table 4. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The excavation depths, and sample locations are shown in Figures 7A through 7C.

Referring to Table 4, all final confirmation samples collected showed benzene, total BTEX, TPH, and chloride concentrations below the RRALs.

Delineation Sampling

During remediation activities, Tetra Tech personnel were unable to locate 2 portions of reported impact, due to this, a total of six (6) trenches (Trench-1 through Trench-6) and ten (10) horizontal delineation samples (HD-1 through HD-10) were installed in the areas of auger holes (AH-1 through AH-3) from the Oxy Reverse C Release, as shown on Figure 5, and the areas of auger holes (AH-6 and AH-7) from the Booster Pump 1003 Release, as shown on Figure 3. 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. The sampling results are summarized in Table 5. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The trench and horizontal delineation sample locations are shown on Figure 7D.

Referring to Table 5, all samples collected showed benzene, total BTEX, TPH, and chloride concentrations below the RRALs. The previous chloride impact in these locations, may have migrated Southwest into the other portions of the release due to heavy precipitation throughout the Winter of 2020 and Spring of 2021.

Approximately 8,480 cubic yards of material was excavated and transported offsite for proper disposal. The areas were then backfilled with clean material to surface grade.

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Conclusion

Based on the laboratory results and remediation activities performed, Solaris requests closure of the Booster Pump 1003 Release, Oxy Sand Dunes Line Release, and the Oxy Reverse C Valve Set 3 Release. The final C-141's for each of the referenced releases (NRM2011334979, NAB1928444103, and NRM2003445187) are 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.

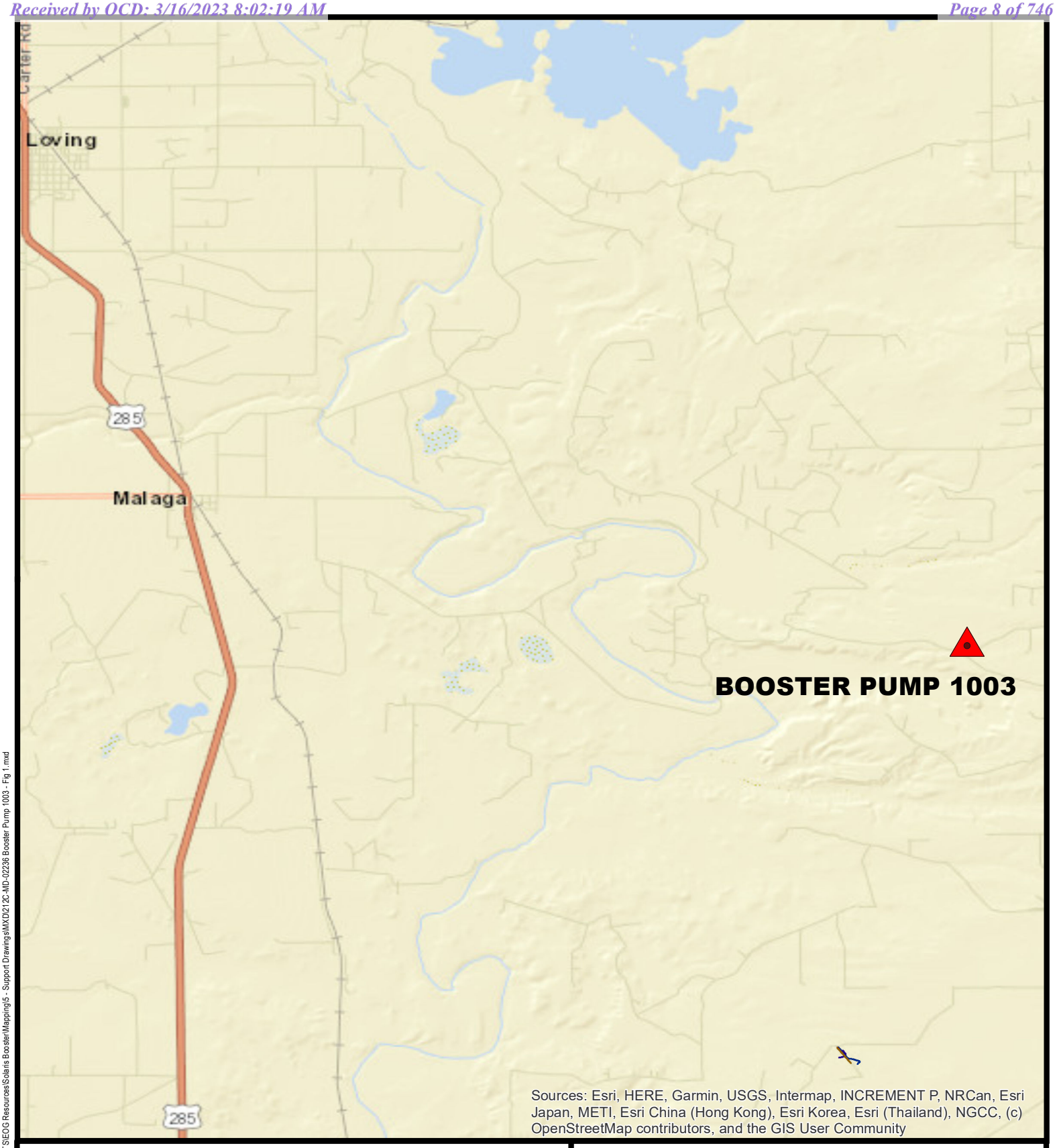
Respectfully submitted,
TETRA TECH

Brittany Long,
Project Manager

Clair Gonzales, P.G.
Senior Project Manager

TETRA TECH

Figures



SITE LOCATION

N
W E
S

0 5,000 10,000
Approximate Scale in Feet

OVERVIEW MAP
BOOSTER PUMP 1003
Property Located at coordinates 32.19852, -103.93148
LEA COUNTY, NEW MEXICO

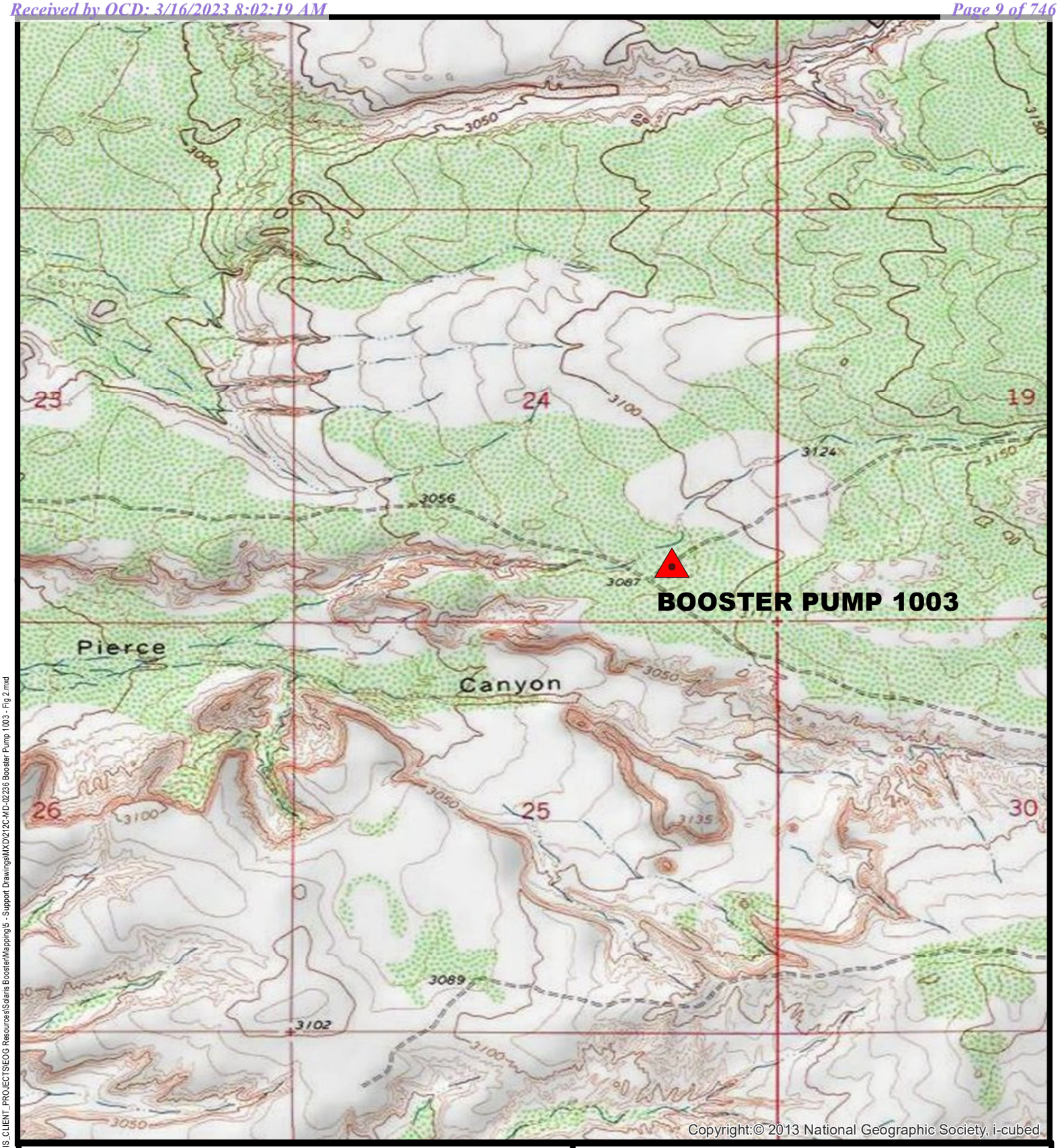
SOLARIS MIDSTREAM

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

Project #: 212C-MD-02236
Date: 09-21-20
Drawn By: DN

FIGURE 1

Date: 9/23/2020 Document Path: G:\LDIS_CLIENT_PROJECTS\EOG Resources\Solaris Booster\Mapping\5 - Support Drawings\MXD\212C-MD-02236 Booster Pump 1003 - Fig 1.mxd



SITE LOCATION

N
W E
S

0 1,000 2,000

Approximate Scale in Feet

OVERVIEW MAP
BOOSTER PUMP 1003
Property Located at coordinates 32.19852, -103.93148
LEA COUNTY, NEW MEXICO

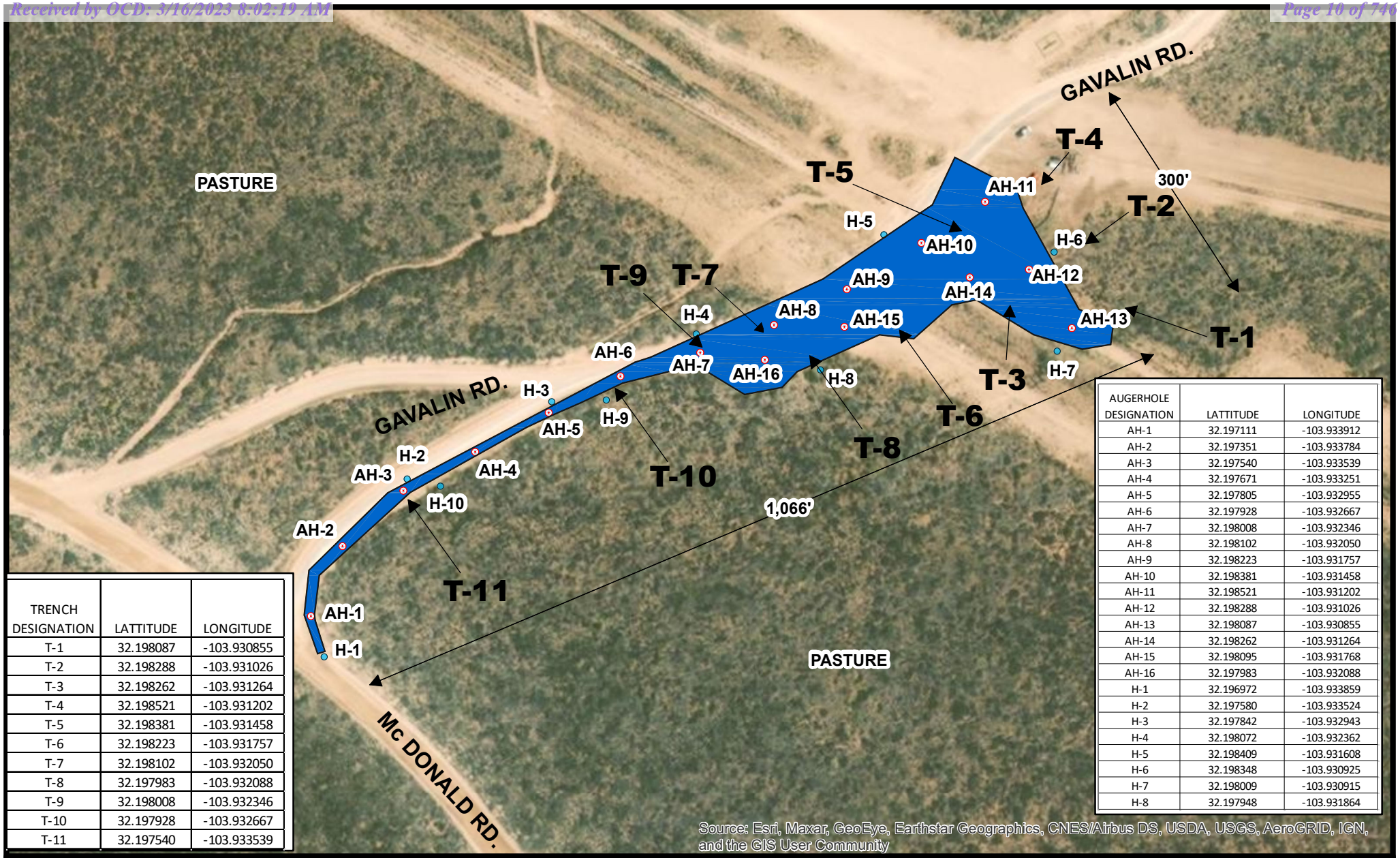
SOLARIS MIDSTREAM

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

Project #: 212C-MD-02236
Date: 09-21-20
Drawn By: DN

FIGURE
2

Date: 9/23/2020 Document Path: \\TTS974FS1.tt.local\Data\LDS_CLIENT_PROJECTS\EOG Resources\Solaris Booster\Mapping\5 - Support Drawings\MXD\212C-MD-02236 Booster Pump 1003 - Fig 2.mxd



TRENCH DESIGNATION	LATTITUDE	LONGITUDE
T-1	32.198087	-103.930855
T-2	32.198288	-103.931026
T-3	32.198262	-103.931264
T-4	32.198521	-103.931202
T-5	32.198381	-103.931458
T-6	32.198223	-103.931757
T-7	32.198102	-103.932050
T-8	32.197983	-103.932088
T-9	32.198008	-103.932346
T-10	32.197928	-103.932667
T-11	32.197540	-103.933539

AUGERHOLE DESIGNATION	LATTITUDE	LONGITUDE
AH-1	32.197111	-103.933912
AH-2	32.197351	-103.933784
AH-3	32.197540	-103.933539
AH-4	32.197671	-103.933251
AH-5	32.197805	-103.932955
AH-6	32.197928	-103.932667
AH-7	32.198008	-103.932346
AH-8	32.198102	-103.932050
AH-9	32.198223	-103.931757
AH-10	32.198381	-103.931458
AH-11	32.198521	-103.931202
AH-12	32.198288	-103.931026
AH-13	32.198087	-103.930855
AH-14	32.198262	-103.931264
AH-15	32.198095	-103.931768
AH-16	32.197983	-103.932088
H-1	32.196972	-103.933859
H-2	32.197580	-103.933524
H-3	32.197842	-103.932943
H-4	32.198072	-103.932362
H-5	32.198409	-103.931608
H-6	32.198348	-103.930925
H-7	32.198009	-103.930915
H-8	32.197948	-103.931864

AUGERHOLE SAMPLE LOCATION
HORIZONTAL SAMPLE LOCATION
SPILL

N
W
E
S

0 60 120
Approximate Scale in Feet

SPILL ASSESSEMENT MAP - STATE REPORT
BOOSTER PUMP 1003
Property Located at coordinates 32.19852, -103.93148
LEA COUNTY, NEW MEXICO

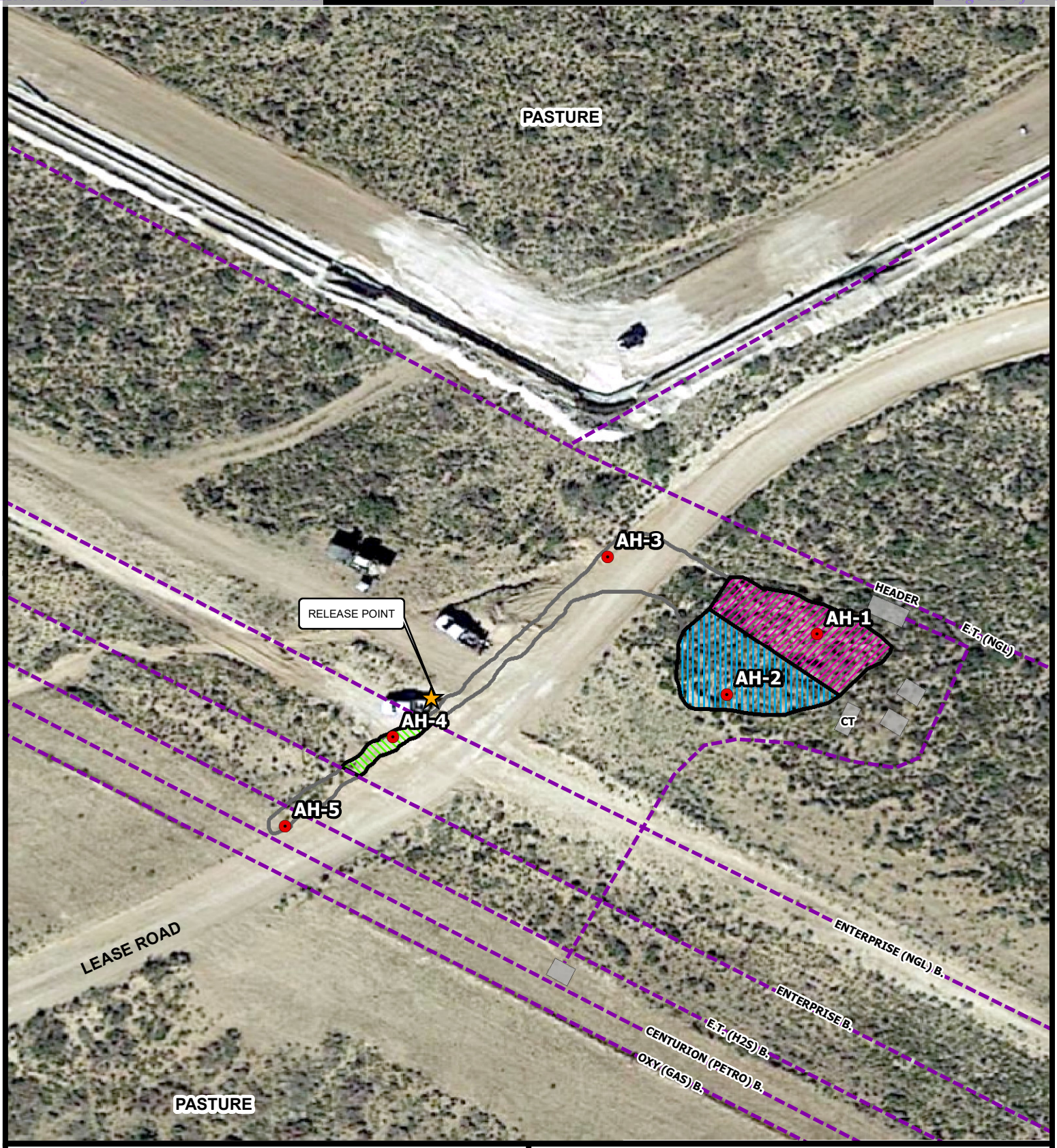
SOLARIS WATER MIDSTREAM

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

Project #: 212C-MD-02236
Date: 09/21/20
Drawn By: DN

FIGURE 3

Date: 9/29/2020 Document Path: G:\LDIS_CLIENT_PROJECTS\EOG Resources\Solaris Booster\Mapping\5 - Support Drawings\MXD\No overlapping\212C-MD-02236 Booster Pump 1003 - Fig 3.mxd



AUGERHOLE SAMPLE LOCATIONS
RELEASE POINT
BURIED PIPELINE
1.0'-1.5' DEPTH
2.5' DEPTH
UP TO 4.0' DEPTH
EQUIPMENT
SPILL OUTLINE

N
W E
S

0 30 60
Approximate Scale in Feet

Source: "New Mexico". 32°11'54.64"N, 103°55'53.33"W. **Google Earth**. February 2019 .November 14, 2019.

PROPOSED EXCAVATION AREA & DEPTH MAP
OXY SAND DUNES RELEASE
Property Located at coordinates 32.198510°,-103.931480°
EDDY COUNTY, NEW MEXICO

SOLARIS MIDSTREAM

Project #:
212C-MD-01940
Date:011-14-2019

FIGURE
4

Date: 11/14/2019 Document Path: H:\GIS\SOLARIS\212C-MD-01940 OXY SAND DUNES RELEASE\MXD\212C-MD-01940 OXY SAND DUNES RELEASE FIG. 4.mxd

AUGERHOLE SAMPLE LOCATIONS

BACKGROUND SAMPLE LOCATIONS

DRAW

BURIED PIPELINE

PROPOSED 2.0' EXCAVATION DEPTH AREA

N
W E
S

0 100 200

Approximate Scale in Feet

Source: "New Mexico". 32°11'54.64"N, 103°55'53.33"W. **Google Earth**. February 2019 .November 14, 2019.

PROPOSED EXCAVATION MAP
OXY REVERSE C
Property Located at coordinates 31.198580°, -103.930730°
EDDY COUNTY, NEW MEXICO

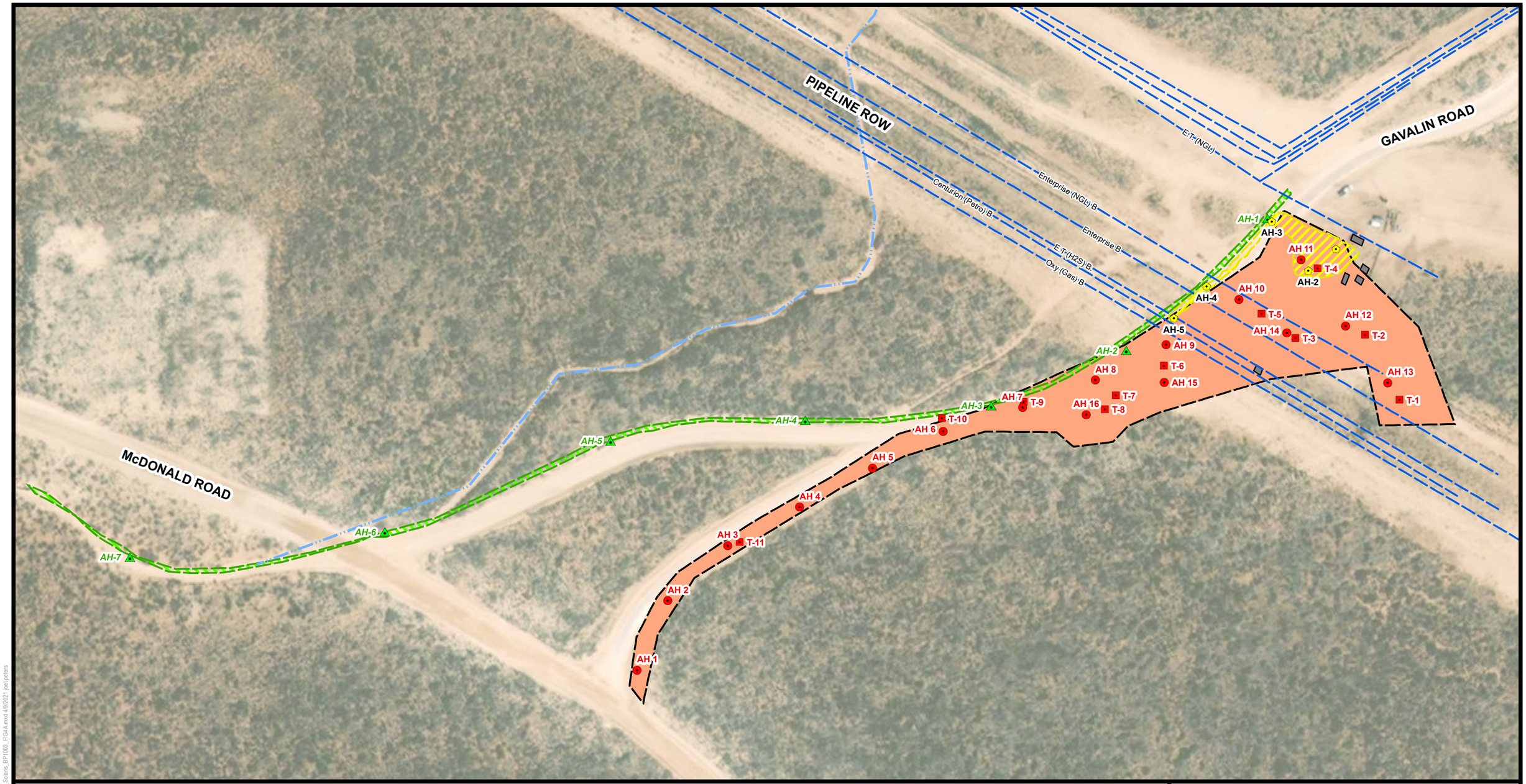
SOLARIS MIDSTREAM

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

Project #: 212C-MD-02030
Date: 01-07-2020
Drawn By: MLM

FIGURE
5

Date: 1/9/2020 Document Path: H:\GIS\SOLARIS\212C-MD-02030 OXY REVERSE C\MXD\212C-MD-02030 OXY REVERSE C FIG. 4.mxd



AH - AUGER HOLE SAMPLE LOCATION (BOOSTER PUMP 1003 RELEASE)

T - TRENCH SAMPLE LOCATION (BOOSTER PUMP 1003 RELEASE)

AH - AUGER HOLE SAMPLE LOCATION (OXY SAND DUNES RELEASE)

AH - AUGER HOLE SAMPLE LOCATION (OXY REVERSE C RELEASE)

BURIED PIPELINE

DRAW

EQUIPMENT

SPILL AREA (OXY REVERSE C)

SPILL AREA (OXY SAND DUNES)

SPILL AREA (BOOSTER PUMP 1003)

Source: ESRI Basemap - Imagery, 2019.

N W E S

0 60 120 Feet

Approximate Scale in Feet

SPILL ASSESSMENT MAP - STATE REPORT
BOOSTER PUMP 1003, OXY SAND DUNES, AND
OXY REVERSE C RELEASES
Property Located at coordinates 32.19852°, -103.93148°
LEA COUNTY, NEW MEXICO

SOLARIS MIDSTREAM

Project #: 212C-MD-02236

FIGURE 6

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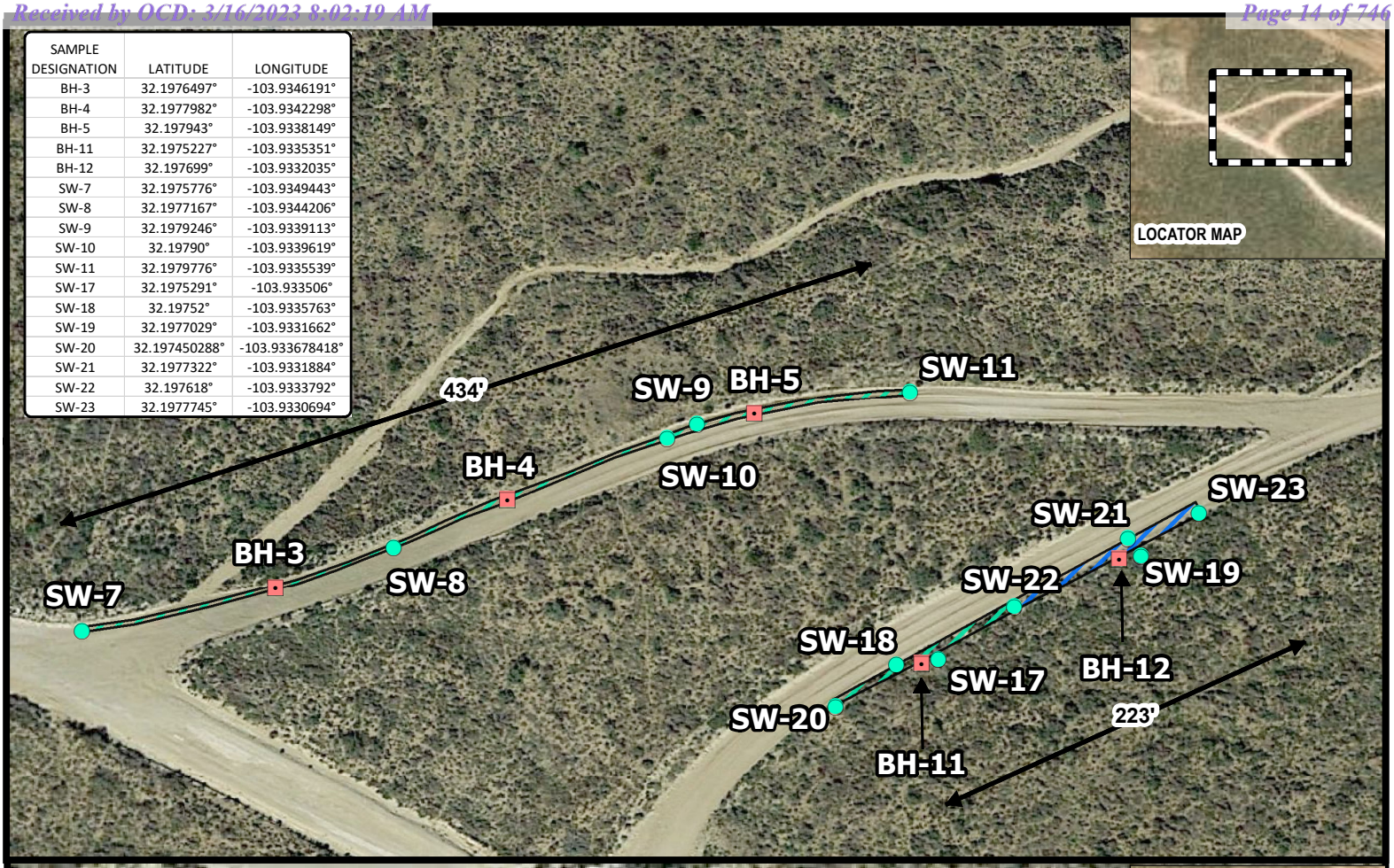
SAMPLE DESIGNATION	LATITUDE	LONGITUDE
BH-3	32.1976497°	-103.9346191°
BH-4	32.1977982°	-103.9342298°
BH-5	32.197943°	-103.9338149°
BH-11	32.1975227°	-103.9335351°
BH-12	32.197699°	-103.9332035°
SW-7	32.1975776°	-103.9349443°
SW-8	32.1977167°	-103.9344206°
SW-9	32.1979246°	-103.9339113°
SW-10	32.19790°	-103.9339619°
SW-11	32.1979776°	-103.9335539°
SW-17	32.1975291°	-103.933506°
SW-18	32.19752°	-103.9335763°
SW-19	32.1977029°	-103.9331662°
SW-20	32.197450288°	-103.933678418°
SW-21	32.1977322°	-103.9331884°
SW-22	32.197618°	-103.9333792°
SW-23	32.1977745°	-103.9330694°



SAMPLE DESIGNATION	LATITUDE	LONGITUDE
BH-1	32.1974799°	-103.9358519°
BH-2	32.1974741°	-103.9355112°
SW-1	32.197581°	-103.9360594°
SW-2	32.1974816°	-103.9358086°
SW-3	32.1974824°	-103.9358962°
SW-4	32.1974919°	-103.9354365°
SW-5	32.1974634°	-103.9355922°
SW-6	32.1975°	-103.9351907°

SIDEWALL SAMPLE LOCATIONS

BOTTOMHOLE SAMPLE LOCATIONS

2' EXCAVATION DEPTH

4' EXCAVATION DEPTH

N
W
E
S

Approximate Scale in Feet

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

EXCAVATION DEPTH & AREA MAP
BOOSTER PUMP 1003
Property located at coordinates 32.197852°, -103.932335°
EDDY COUNTY, NEW MEXICO

SOLARIS WATER MIDSTREAM

Project #:
212C-MD-02236

FIGURE
7-A

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SAMPLE DESIGNATION	LATITUDE	LONGITUDE	SAMPLE DESIGNATION	LATITUDE	LONGITUDE
SW-37	32.1979723°	-103.9322442°	SW-69	32.1980444°	-103.9317677°
SW-38	32.1979207°	-103.9322141°	SW-70	32.1981743°	-103.9316844°
SW-39	32.1980388°	-103.9321623°	SW-71	32.1981377°	-103.9315641°
SW-40	32.1980182°	-103.9321314°	SW-72	32.1980805°	-103.9314879°
SW-41	32.1980944°	-103.9319898°	SW-73	32.198093°	-103.9316061°
SW-42	32.1980718°	-103.9319889°	SW-74	32.1981133°	-103.9317032°
SW-43	32.1981086°	-103.9318703°	BH-42	32.1979478°	-103.9321932°
SW-44	32.1979297°	-103.9321441°	BH-43	32.1979115°	-103.932164°
SW-45	32.1979878°	-103.9321276°	BH-44	32.1979447°	-103.9321117°
SW-46	32.1979686°	-103.932092°	BH-45	32.1979333°	-103.9320415°
SW-49	32.1980039°	-103.9320785°	BH-46	32.19795°	-103.9319916°
SW-50	32.1979894°	-103.9320446°	BH-47	32.1979796°	-103.9320683°
SW-51	32.1979562°	-103.9320526°	BH-48	32.1979985°	-103.9320138°
SW-52	32.197974°	-103.9319975°	BH-49	32.1979965°	-103.9321449°
SW-53	32.1979629°	-103.9319523°	BH-50	32.1980512°	-103.9319986°
SW-54	32.1979153°	-103.9320034°	BH-51	32.198027°	-103.9321424°
SW-55	32.1978959°	-103.9320429°	BH-52	32.1980727°	-103.9320175°
SW-56	32.1980238°	-103.9320267°	BH-53	32.1980013°	-103.9319487°
SW-57	32.198011°	-103.9319859°	BH-54	32.1980518°	-103.9319288°
SW-58	32.1980686°	-103.9319307°	BH-55	32.1980206°	-103.931905°
SW-60	32.1979695°	-103.9318887°	BH-56	32.1979938°	-103.9318864°
SW-59	32.1980456°	-103.9318291°	BH-57	32.1980421°	-103.931868°
SW-61	32.1979155°	-103.9318358°	BH-58	32.1980676°	-103.9317884°
SW-47	32.1979288°	-103.9320758°	BH-59	32.1979437°	-103.9318763°
SW-48	32.1978987°	-103.9321012°	BH-60	32.1978912°	-103.9318784°
SW-62	32.1978597°	-103.9318868°	BH-61	32.1978261°	-103.9319179°
SW-63	32.1979129°	-103.9319163°	BH-62	32.1981022°	-103.9315566°
SW-64	32.1978118°	-103.9318928°	BH-74	32.1981278°	-103.9317073°
SW-65	32.1977864°	-103.9319436°	BH-75	32.1981543°	-103.9316516°
SW-66	32.1978417°	-103.9319456°	BH-76	32.1981261°	-103.9316018°
SW-67	32.1980936°	-103.9318046°	BH-77	32.1979021°	-103.9320331°
SW-68	32.1980932°	-103.9317449°			

GALVIN ROAD

125' 74' 71' 57' 45' 49'

SW-37 SW-38 SW-39 SW-40 SW-41 SW-42 SW-43 SW-44 SW-45 SW-46 SW-47 SW-48 SW-49 SW-50 SW-51 SW-52 SW-53 SW-54 SW-55 SW-56 SW-57 SW-58 SW-59 SW-60 SW-61 SW-62 SW-63 SW-64 SW-65 SW-66 SW-67 SW-68 SW-69 SW-70 SW-71 SW-72 SW-73 SW-74

BH-42 BH-43 BH-44 BH-45 BH-46 BH-47 BH-48 BH-49 BH-50 BH-51 BH-52 BH-53 BH-54 BH-55 BH-56 BH-57 BH-58 BH-59 BH-60 BH-61 BH-62 BH-59A BH-60A BH-61A BH-62A

BH BOTTOMHOLE SAMPLE LOCATIONS
SIDEWALL SAMPLE LOCATIONS
3' EXCAVATION AREA DEPTH
4' EXCAVATION AREA DEPTH
5' EXCAVATION AREA DEPTH
6' EXCAVATION AREA DEPTH
8' EXCAVATION AREA DEPTH
9' EXCAVATION AREA DEPTH
10' EXCAVATION AREA DEPTH

0 12.5 25 50
Approximate Scale in Feet

N S E W

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

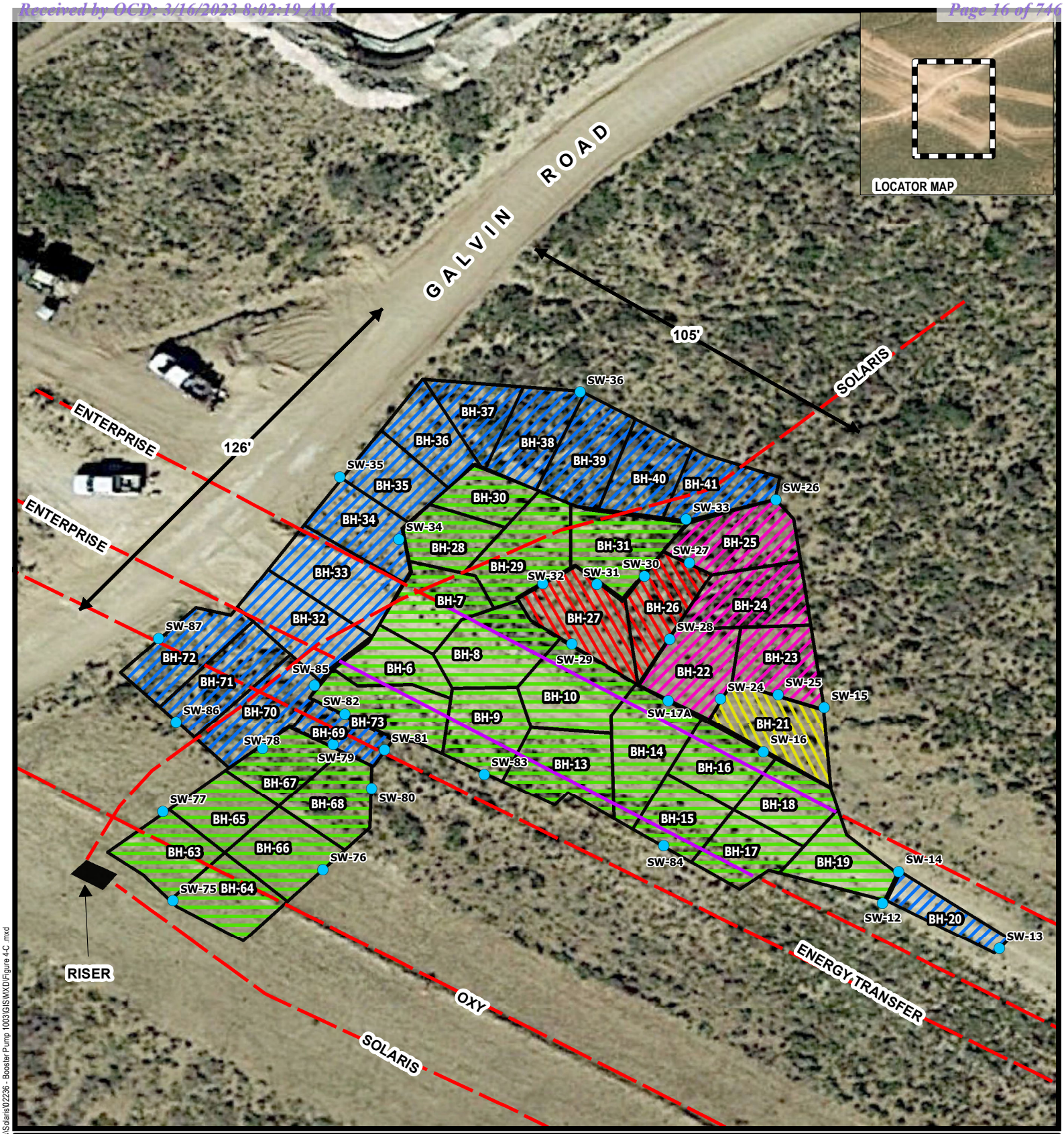
EXCAVATION DEPTH & AREA MAP
BOOSTER PUMP 1003
Property located at coordinates 32.197852°, -103.932335°
EDDY COUNTY, NEW MEXICO

SOLARIS WATER MIDSTREAM

Project #: 212C-MD-02236

FIGURE 7-B

Document Path: C:\Users\E.MORENO\FLORES\Documents\Projects\Solaris\02236 - Booster Pump 1003\GIS\MXD\Figure 4-B .mxd



SIDEWALL SAMPLE LOCATIONS
BH BOTTOMHOLE SAMPLE LOCATIONS
EXPOSED LINES
UNDERGROUND LINES
2' EXCAVATION AREA DEPTH
4' EXCAVATION AREA DEPTH
5' EXCAVATION AREA DEPTH
6' EXCAVATION AREA DEPTH
8' EXCAVATION AREA DEPTH

0 12.5 25 50
Approximate Scale in Feet

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

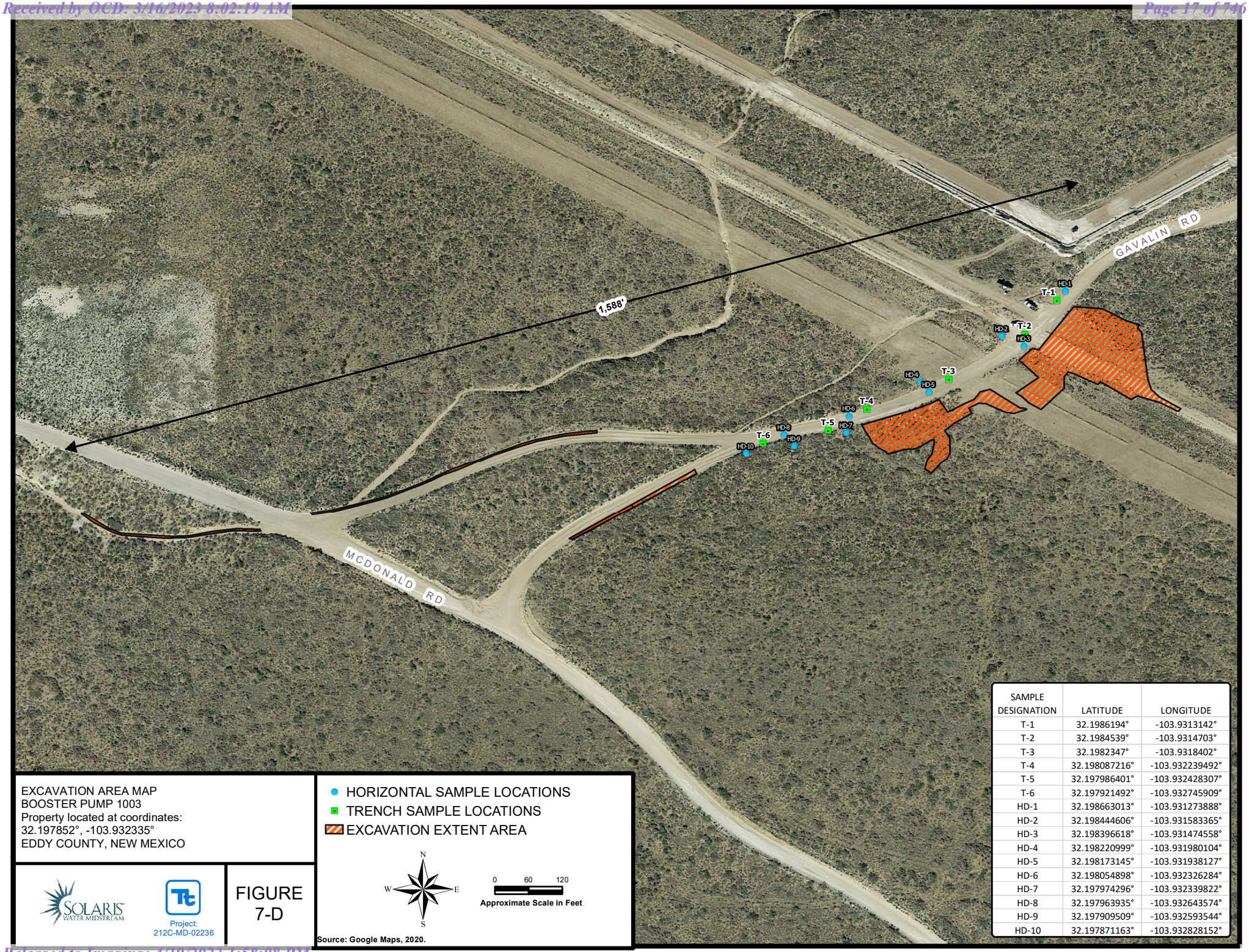
Document Path: C:\Users\E.MORENO\FLORES\Documents\Projects\Solaris\02236 - Booster Pump 1003\GIS\MXD\Figure 4-C. mxd

EXCAVATION DEPTH & AREA MAP
BOOSTER PUMP 1003
Property located at coordinates 32.197852°, -103.932335°
EDDY COUNTY, NEW MEXICO

SOLARIS WATER MIDSTREAM

Project #:
212C-MD-02236

FIGURE
7-C



SAMPLE DESIGNATION	LATITUDE	LONGITUDE
T-1	32.1986194°	-103.9313142°
T-2	32.1984539°	-103.9314703°
T-3	32.1982347°	-103.9318402°
T-4	32.198087216°	-103.932239492°
T-5	32.197986401°	-103.932428307°
T-6	32.197921492°	-103.932745909°
HD-1	32.198663013°	-103.931273888°
HD-2	32.198444606°	-103.931583365°
HD-3	32.198396618°	-103.931474558°
HD-4	32.198220999°	-103.931980104°
HD-5	32.198173145°	-103.931938127°
HD-6	32.198054898°	-103.932326284°
HD-7	32.197974296°	-103.932339822°
HD-8	32.197963935°	-103.932643574°
HD-9	32.197909509°	-103.932593544°
HD-10	32.197871163°	-103.932828152°

EXCAVATION AREA MAP
BOOSTER PUMP 1003
Property located at coordinates:
32.197852°, -103.932335°
EDDY COUNTY, NEW MEXICO

HORIZONTAL SAMPLE LOCATIONS
TRENCH SAMPLE LOCATIONS
EXCAVATION EXTENT AREA

N
W E
S

0 60 120
Approximate Scale in Feet

Source: Google Maps, 2020.

SOLARIS WATER MIDSTREAM

Project:
212C-MD-02236

FIGURE
7-D

TETRA TECH

Tables

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Table 1
Solaris Water Midstream, LLC
Booster Pump 1003
Eddy 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	7/15/2020	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	62.7
	"	1.0-1.5	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	39.3
AH-2	7/15/2020	0-1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	27.2
	"	1.0-1.5	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	71.8
AH-3	7/15/2020	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**5,350**
	"	1.0-1.5	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**5,800**
Trench-11	8/31/2020	0-1.0	X		-	-	-	-	-	-	-	-	-	58.7
	"	1.0-2.0	X		-	-	-	-	-	-	-	-	-	67.2
AH-4	7/15/2020	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**1,680**
	"	1.0-1.5	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	**4,770**
	"	2.0-2.5	X		-	-	-	-	-	-	-	-	-	**661**
	"	3.0-3.5	X		-	-	-	-	-	-	-	-	-	**1,410**
	"	4.0-4.5	X		-	-	-	-	-	-	-	-	-	180
AH-5	7/15/2020	0-1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	39.9
	"	1.0-1.5	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	26.5
AH-6	7/15/2020	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**3,490**
	"	1.0-1.5	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**4,850**
	"	2.0-2.5	X		-	-	-	-	-	-	-	-	-	**4,890**
Trench-10	8/31/2020	0-1.0	X		-	-	-	-	-	-	-	-	-	42.2
	"	1.0-2.0	X		-	-	-	-	-	-	-	-	-	540
AH-7	7/15/2020	0-1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**1,520**
	"	1.0-1.5	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**1,730**
	"	2.0-2.5	X		-	-	-	-	-	-	-	-	-	**1,380**
Trench-9	8/31/2020	0-1.0	X		-	-	-	-	-	-	-	-	-	**787**
	"	1.0-2.0	X		-	-	-	-	-	-	-	-	-	225

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Table 1
Solaris Water Midstream, LLC
Booster Pump 1003
Eddy 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-8	7/15/2020	0-1.0	X		<50.0	87.3	<50.0	87.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**3,900**
	"	1.0-1.5	X		<50.0	65.8	<50.0	65.8	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**4,430**
	"	2.0-2.5	X		-	-	-	-	-	-	-	-	-	**5,160**
	"	3.0-3.5	X		-	-	-	-	-	-	-	-	-	**4,870**
Trench-7	8/31/2020	0-1.0	X		-	-	-	-	-	-	-	-	-	**4050**
	"	1.0-2.0	X		-	-	-	-	-	-	-	-	-	**4680**
	"	2.0-3.0	X		-	-	-	-	-	-	-	-	-	**4300**
	"	3.0-4.0	X		-	-	-	-	-	-	-	-	-	**4410**
	"	4.0-5.0	X		-	-	-	-	-	-	-	-	-	**3710**
	"	5.0-6.0	X		-	-	-	-	-	-	-	-	-	**3640**
	"	6.0-7.0	X		-	-	-	-	-	-	-	-	-	**2070**
	"	7.0-8.0	X		-	-	-	-	-	-	-	-	-	**1670**
	"	8.0-9.0	X		-	-	-	-	-	-	-	-	-	289
	"	9.0-10.0	X		-	-	-	-	-	-	-	-	-	328
AH-9	7/15/2020	0-1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	225
AH-10	7/15/2020	0-1.0	X		<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**1,750**
Trench-5	8/31/2020	0-1.0	X		-	-	-	-	-	-	-	-	-	82.4
	"	1.0-2.0	X		-	-	-	-	-	-	-	-	-	15.6
AH-11	7/15/2020	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**3,440**
	"	1.0-1.5	X		<49.9	**353**	70.6	**424**	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**6,220**
Trench-4	8/31/2020	0-1.0	X		<50.0	**1030**	**228**	**1260**	-	-	-	-	-	**6710**
	"	1.0-2.0	X		<49.8	<49.8	<49.8	<49.8	-	-	-	-	-	**3160**
	"	2.0-3.0	X		<50.2	<50.2	<50.2	<50.2	-	-	-	-	-	247
	"	3.0-4.0	X		<49.8	<49.8	<49.8	<49.8	-	-	-	-	-	227
AH-12	7/15/2020	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**5,710**
	"	1.0-1.5	X		<50.0	62.8	<50.0	62.8	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**5,760**
Trench-2	8/31/2020	0-1.0	X		-	-	-	-	-	-	-	-	-	**804**
	"	1.0-2.0	X		-	-	-	-	-	-	-	-	-	**5520**
	"	2.0-3.0	X		-	-	-	-	-	-	-	-	-	**3810**
	"	3.0-4.0	X		-	-	-	-	-	-	-	-	-	**796**
	"	4.0-5.0	X		-	-	-	-	-	-	-	-	-	**1430**
	"	5.0-6.0	X		-	-	-	-	-	-	-	-	-	**1730**
	"	6.0-7.0	X		-	-	-	-	-	-	-	-	-	598
	"	7.0-8.0	X		-	-	-	-	-	-	-	-	-	73.6
	"	8.0-9.0	X		-	-	-	-	-	-	-	-	-	150

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Solaris Water Midstream, LLC
Booster Pump 1003
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
AH-13	7/15/2020	0-1.0	X		<49.9	66.1	<49.9	66.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**4,530**
	"	1.0-1.5	X		<50.0	**134**	<50.0	**134**	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**9,700**
Trench-1	8/31/2020	0-1.0	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-	**1530**
	"	1.0-2.0	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-	**1780**
	"	2.0-3.0	X		<50.0	<50.0	<50.0	<50.0	-	-	-	-	-	111
	"	3.0-4.0	X		<49.9	<49.9	<49.9	<49.9	-	-	-	-	-	484
AH-14	7/15/2020	0-1.0	X		<49.9	62.2	<49.9	62.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**3,620**
	"	1.0-1.5	X		<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**4,130**
	"	2.0-2.5	X		-	-	-	-	-	-	-	-	-	**4,470**
	"	3.0-3.5	X		-	-	-	-	-	-	-	-	-	**4,140**
Trench-3	8/31/2020	0-1.0	X		-	-	-	-	-	-	-	-	-	**3,600**
	"	1.0-2.0	X		-	-	-	-	-	-	-	-	-	**4400**
	"	2.0-3.0	X		-	-	-	-	-	-	-	-	-	560
	"	3.0-4.0	X		-	-	-	-	-	-	-	-	-	392
	"	4.0-5.0	X		-	-	-	-	-	-	-	-	-	155
	"	5.0-6.0	X		-	-	-	-	-	-	-	-	-	175
AH-15	7/15/2020	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**2,500**
	"	1.0-1.5	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**2,540**
	"	2.0-2.5	X		-	-	-	-	-	-	-	-	-	**2,450**
	"	3.0-3.5	X		-	-	-	-	-	-	-	-	-	**915**
Trench-6	8/31/2020	0-1.0	X		-	-	-	-	-	-	-	-	-	**5540**
	"	1.0-2.0	X		-	-	-	-	-	-	-	-	-	**3700**
	"	2.0-3.0	X		-	-	-	-	-	-	-	-	-	143
	"	3.0-4.0	X		-	-	-	-	-	-	-	-	-	222
AH-16	7/15/2020	0-1.0	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**2,790**
	"	1.0-1.5	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**4,780**
	"	2.0-2.5	X		-	-	-	-	-	-	-	-	-	**5,050**
	"	3.0-3.5	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**4,380**
	"	4.0-4.5	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**4,730**
Trench-8	8/31/2020	0-1.0	X		-	-	-	-	-	-	-	-	-	**3,620**
	"	1.0-2.0	X		-	-	-	-	-	-	-	-	-	**5120**
	"	2.0-3.0	X		-	-	-	-	-	-	-	-	-	**4340**
	"	3.0-4.0	X		-	-	-	-	-	-	-	-	-	**4820**
	"	4.0-5.0	X		-	-	-	-	-	-	-	-	-	**4790**
	"	5.0-6.0	X		-	-	-	-	-	-	-	-	-	**4550**
	"	6.0-7.0	X		-	-	-	-	-	-	-	-	-	**3230**
	"	7.0-8.0	X		-	-	-	-	-	-	-	-	-	**3220**
	"	8.0-9.0	X		-	-	-	-	-	-	-	-	-	318
	"	9.0-10.0	X		-	-	-	-	-	-	-	-	-	167

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Solaris Water Midstream, LLC
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Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
H-1	7/15/2020	0-0.5	X		<49.9	<49.9	<49.9	<49.9	<0.00199	0.00331	<0.00199	<0.00199	0.00331	25.5
H-2	7/15/2020	0-0.5	X		<49.9	<49.9	<49.9	<49.9	<0.00198	0.00235	<0.00198	<0.00198	0.00235	1,180
H-3	7/15/2020	0-0.5	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	652
H-4	7/15/2020	0-0.5	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	16.8
H-5	7/15/2020	0-0.5	X		<49.8	<49.8	<49.8	<49.8	<0.00200	0.00410	<0.00200	0.00471	0.00881	19.6
H-6	7/15/2020	0-0.5	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	126
H-7	7/15/2020	0-0.5	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	14.7
H-8	7/15/2020	0-0.5	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	11.9
H-9	7/15/2020	0-0.5	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	10.1
H-10	7/15/2020	0-0.5	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	14.7

(-) Not Analyzed

Proposed Excavation Depth

Table 2
Solaris Water Midstream, LLC
Oxy Sand Dunes Release
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB 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	ORO	Total						
AH-1	9/24/2019	0-1	-	X		<24.9	<24.9	<24.9	<24.9	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	3,040
	"	1-1.5	-	X		<25.1	<25.1	<25.1	<25.1	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	38.5
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	19.0
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	-	184
AH-2	9/24/2019	0-1	-	X		<25.0	<25.0	<25.0	<25.0	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	4,580
	"	1-1.5	-	X		<25.1	<25.1	<25.1	<25.1	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	3,740
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	1,990
AH-3	9/24/2019	0-1	-	X		<25.0	<25.0	<25.0	<25.0	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	39.2
AH-4	9/24/2019	0-1	-	X		<25.1	<25.1	<25.1	<25.1	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	401
	"	1-1.5	-	X		<25.1	<25.1	<25.1	<25.1	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	1,420
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	1,900
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	-	248
AH-5	9/24/2019	0-1	-	X		<25.0	<25.0	<25.0	<25.0	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101	377

(-) Not Analyzed

Proposed Excavation Depths

Table 3
Solaris Water Midstream, LLC
Oxy Reverse C Release
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB 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	ORO	Total						
AH-1	12/17/2019	0-1	-	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**5730**
	"	1-1.5	-	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	**9440**
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	**7950**
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	-	**4120**
AH-2	12/17/2019	0-1	-	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**4980**
	"	1-1.5	-	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**1510**
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	49.3
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	-	16.5
AH-3	12/17/2019	0-1	-	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	**615**
	"	1-1.5	-	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	371
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	123
AH-4	12/17/2019	0-1	-	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	243
	"	1-1.5	-	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	107
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	27.0
AH-5	12/17/2019	0-1	-	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**4,980**
	"	1-1.5	-	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	308
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	**1,250**
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	-	**683**
	"	4-4.5	-	X		-	-	-	-	-	-	-	-	-	32.8
AH-6	12/17/2019	0-1	-	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**902**
	"	1-1.5	-	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	382
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	**2,420**
AH-7	12/17/2019	0-1	-	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**2,970**
AH-8	12/17/2019	0-1	-	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	**4,730**
	"	1-1.5	-	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**7,820**
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	**5,930**
AH-9	12/17/2019	0-1	-	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**6,340**
AH-10	12/17/2019	0-1	-	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**8,220**
AH-11	12/17/2019	0-1	-	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**3,420**
	"	1-1.5	-	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**3,370**

Table 3
Solaris Water Midstream, LLC
Oxy Reverse C Release
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB 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	ORO	Total						
AH-12	12/17/2019	0-0.5	-	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**3,830**
	"	0.5-1	-	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**3,580**
AH-13	12/17/2019	0-1	-	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**3,130**
	"	1-1.5	-	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**6,600**
AH-14	12/17/2019	0-1	-	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**3,870**
AH-15	12/17/2019	0-1	-	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**2,780**
AH-16	12/17/2019	0-1	-	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	**2,820**
	"	1-1.5	-	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**2,700**
AH-17	12/17/2019	0-0.5	-	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**3,390**
AH-18	12/17/2019	0-1	-	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**4,080**
	"	1-1.5	-	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**5,140**
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	**1,880**
AH-19	12/17/2019	0-1	-	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**3,920**
	"	1-1.5	-	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**3,790**
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	**5,530**
AH-20	12/17/2019	0-1	-	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**3,440**
	"	1-1.5	-	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	**3,820**
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	**4,730**
AH-21	12/17/2019	0-1	-	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**3,450**
	"	1-1.5	-	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**5,490**
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	**4,390**
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	-	**8,180**
Background	12/17/2019	0-1	-	X		-	-	-	-	-	-	-	-	-	14.4
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	-	<5.03
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	8.47

(-) Not Analyzed

Proposed Excavation Depths

Released to Imaging: 4/19/2023 1:58:08 PM

Received by OCD: 3/16/2023 8:02:19 AM

Table 4
Solaris Water Midstream, LLC
Booster Pump 1003
Eddy 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	9/9/2021	2.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.6
BH-2	9/9/2021	2.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	24.0
BH-3	9/9/2021	2.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	8.59
BH-4	9/9/2021	2.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.08
BH-5	9/9/2021	2.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	21.7
BH-6	9/28/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.1
BH-7	9/28/2021	4.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.3
BH-8	9/28/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	43.6
BH-9	9/28/2021	4.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	38.1
BH-10	9/28/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.8
BH-11	9/15/2021	1.5'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	75.4
BH-12	9/15/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	86.2
BH-13	9/28/2021	4.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	35.2
BH-14	9/28/2021	4.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	86.2
BH-15	9/28/2021	4.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	86.2
BH-16	9/28/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	84.0
BH-17	9/28/2021	4.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	76.8
BH-18	9/28/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	77.9
BH-19	9/28/2021	4.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	29.1
BH-20	9/28/2021	2.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	25.8
BH-21	9/28/2021	5.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	72.2
BH-22	9/28/2021	6.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123
BH-23	9/28/2021	6.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	120
BH-24	9/28/2021	6.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	46.8
BH-25	9/28/2021	6.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	45.2
BH-26	9/28/2021	8.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	83.2

Released to Imaging: 4/19/2023 1:58:08 PM

Received by OCD: 3/16/2023 8:02:19 AM

Table 4
Solaris Water Midstream, LLC
Booster Pump 1003
Eddy 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-27	9/28/2021	8.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	209
BH-28	10/4/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	18.1
BH-29	10/4/2021	4.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.6
BH-30	10/4/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.4
BH-31	10/4/2021	4.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.8
BH-32	10/4/2021	2.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.9
BH-33	10/4/2021	2.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	16.0
BH-34	10/4/2021	2.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	14.8
BH-35	10/4/2021	2.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	18.9
BH-36	10/4/2021	2.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	331
BH-37	10/4/2021	2.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	508
BH-38	10/4/2021	2.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00226	<0.00199	0.0107	0.0130	455
BH-39	10/4/2021	2.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.2
BH-40	10/4/2021	2.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.7
BH-41	10/4/2021	2.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	17.6
BH-42	10/8/2021	6.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	253
BH-43	10/8/2021	3.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	300
BH-44	10/8/2021	8.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.95
BH-45	10/8/2021	9.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.02
BH-46	10/8/2021	9.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.99
BH-47	10/8/2021	10.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
BH-48	10/8/2021	8.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.95
BH-49	10/8/2021	5.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
BH-50	10/8/2021	5.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	12.3
BH-51	10/8/2021	3.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.9
BH-52	10/8/2021	3.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	17.2

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Table 4
Solaris Water Midstream, LLC
Booster Pump 1003
Eddy 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-53	10/8/2021	6.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	11.8
BH-54	10/8/2021	6.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	16.5
BH-55	10/8/2021	6.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.6
BH-56	10/8/2021	6.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.8
BH-57	10/8/2021	6.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	12.0
BH-58	10/8/2021	4.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	14.2
BH-59	10/8/2021	8.0'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	122
BH-59 (A)	10/14/2021	4.0'	X	-	<49.8	<49.8	<49.8	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	30.4
BH-60	10/8/2021	8.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	142
BH-60 (A)	10/14/2021	4.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	21.9
BH-61	10/8/2021	5.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	152
BH-61 (A)	10/14/2021	4.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	4.96
BH-62	10/8/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	154
BH-62 (A)	10/14/2021	4.0'	X	-	<49.9	<49.9	<49.9	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	47.8
BH-63	10/14/2021	4.0'	X	-	<49.9	<49.9	<49.9	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	6.84
BH-64	10/14/2021	4.0'	X	-	<49.9	<49.9	<49.9	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.4
BH-65	10/14/2021	4.0'	X	-	<49.8	<49.8	<49.8	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.6
BH-66	10/14/2021	4.0'	X	-	<49.9	<49.9	<49.9	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.3
BH-67	10/14/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.1
BH-68	10/14/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.0
BH-69	10/14/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.5
BH-70	10/14/2021	2.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	10.3
BH-71	10/14/2021	2.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	309
BH-72	10/14/2021	2.0'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	332
BH-73	10/14/2021	4.0'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	302
SW-1	9/9/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	16.6

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Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
SW-2	9/9/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	8.58
SW-3	9/9/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.12
SW-4	9/9/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	8.30
SW-5	9/9/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8.52
SW-6	9/9/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	14.7
SW-7	9/9/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.7
SW-8	9/9/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.45
SW-9	9/9/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	9.45
SW-10	9/9/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15.8
SW-11	9/9/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	14.1
SW-12	9/28/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	30.3
SW-13	9/28/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	34.5
SW-14	9/28/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	37.6
SW-15	9/28/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	38.2
SW-16	9/28/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	32.3
SW-17	9/15/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	11.2
SW-17 (A)	9/28/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	31.2
SW-18	9/15/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	16.6
SW-19	9/15/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	76.9
SW-20	9/15/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	11.6
SW-21	9/15/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	69.2
SW-22	9/15/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	22.3
SW-23	9/15/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00652	0.00892	0.00799	0.02343	56.6
SW-24	9/28/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.1
SW-25	9/28/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	47.2
SW-26	9/28/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	45.5

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			In-Situ	Removed	GRO	DRO	MRO	Total						
SW-27	9/28/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	96.0
SW-28	9/28/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	107
SW-29	9/28/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	88.5
SW-30	9/28/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	90.9
SW-31	9/28/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	83.8
SW-32	9/28/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	0.00327	<0.00200	<0.00399	0.00609	84.3
SW-33	10/4/2021	-	X	-	<49.9	<49.9	<49.9	<50.0	<0.00199	0.00289	<0.00199	<0.00398	0.00562	18.3
SW-34	10/4/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.2
SW-35	10/4/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	32.8
SW-36	10/4/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.8
SW-37	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00225	<0.00200	<0.00401	<0.00401	37.9
SW-38	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	40.2
SW-39	10/8/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	164
SW-40	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	162
SW-41	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.0
SW-42	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	20.2
SW-43	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	146
SW-44	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.1
SW-45	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	0.0450	<0.00200	<0.00200	<0.00399	0.0450	61.1
SW-46	10/8/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.8
SW-47	10/8/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	17.2
SW-48	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.3
SW-49	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.5
SW-50	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	156
SW-51	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	108
SW-52	10/8/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	203

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			In-Situ	Removed	GRO	DRO	MRO	Total						
SW-53	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	54.6
SW-54	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	111
SW-55	10/8/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	87.1
SW-56	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	76.0
SW-57	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.8
SW-58	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	155
SW-59	10/8/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.8
SW-60	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	67.4
SW-61	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	0.0131	0.00728	0.0345	<0.00396	0.0586	226
SW-62	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	104
SW-63	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.6
SW-64	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	160
SW-65	10/8/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.2
SW-66	10/8/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	57.6
SW-67	10/8/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	114
SW-68	10/8/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	63.7
SW-69	10/8/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	159
SW-70	10/14/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	39.0
SW-71	10/14/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	19.4
SW-72	10/14/2021	-	X	-	<50.0	62.1	<50.0	62.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	49.3
SW-73	10/14/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.5
SW-74	10/14/2021	-	X	-	<49.8	<49.8	<49.8	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	39.4
SW-75	10/14/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.0
SW-76	10/14/2021	-	X	-	<49.9	79.2	<49.9	79.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	49.2
SW-77	10/14/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.9
SW-78	10/14/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7.73

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Table 4
Solaris Water Midstream, LLC
Booster Pump 1003
Eddy 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-79	10/14/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	52.7
SW-80	10/14/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.0
SW-81	10/14/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	36.7
SW-82	10/14/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.7
SW-83	10/14/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	20.5
SW-84	10/14/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.5
SW-85	10/14/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.3
SW-86	10/14/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.7
SW-87	10/14/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.92

(-) Not Analyzed

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Table 5
Solaris Water Midstream, LLC
Booster Pump 1003
Eddy 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						
Trench-1	10/13/2021	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	18.0
	"	1	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.1
	"	2	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.2
	"	3	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.8
	"	4	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	29.1
Trench-2	10/14/2021	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.8
	"	1	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.2
	"	2	X		<50.0	66.8	<50.0	66.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15.4
	"	3	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.7
	"	4	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.0
Trench-3	10/13/2021	0-1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00202	0.00908	<0.00202	0.00648	0.0156	22.8
	"	1	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.2
	"	2	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.3
	"	3	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	27.0
	"	4	X		<49.9	<49.9	<49.9	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	26.9
Trench-4	10/13/2021	0-1.0	X		<49.8	<49.8	<49.8	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.6
	"	1	X		<49.9	<49.9	<49.9	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.3
	"	2	X		<49.9	<49.9	<49.9	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.9
	"	3	X		<49.8	<49.8	<49.8	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.05
	"	4	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<4.98
Trench-5	10/15/2021	0-1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	0.0105	0.0105	15.7
	"	1	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	0.00846	0.00846	14.9
	"	2	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	0.00653	0.00653	52.8
	"	3	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	49.3
	"	4	X		<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.1
Trench-6	10/15/2021	0-1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	17.2
	"	1	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	0.0151	0.0151	13.6
	"	2	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	40.7
	"	3	X		<49.9	<49.9	<49.9	<49.9	<0.00199	0.00490	0.00611	0.0349	0.0459	16.1
	"	4	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	24.4

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Table 5
Solaris Water Midstream, LLC
Booster Pump 1003
Eddy 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						
HD-1	10/15/2021	0-0.5	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	13.1
HD-2	10/15/2021	0-0.5	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	0.00869	0.0363	0.0450	21.1
HD-3	10/15/2021	0-0.5	X		<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.1
HD-4	10/15/2021	0-0.5	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	23.1
HD-5	10/15/2021	0-0.5	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	23.8
HD-6	10/15/2021	0-0.5	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.4
HD-7	10/15/2021	0-0.5	X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	17.8
HD-8	10/15/2021	0-0.5	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	20.4
HD-9	10/15/2021	0-0.5	X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	19.5
HD-10	10/15/2021	0-0.5	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	18.7

(-) Not Analyzed

TETRA TECH

Photographic Documentation

Solaris Water Midstream, LLC
Booster Pump 1003
Eddy County, New Mexico

TETRA TECH

View of Remediation Activities – View Southwest

View of Remediation Activities – View West

Solaris Water Midstream, LLC
Booster Pump 1003
Eddy County, New Mexico

View of Remediation Activities – View Northwest

View of Remediation Activities– View West

Solaris Water Midstream, LLC
Booster Pump 1003
Eddy County, New Mexico

TETRA TECH

View of Remediation Activities – View West

View of Remediation Activities– View Southwest

Solaris Water Midstream, LLC
Booster Pump 1003
Eddy County, New Mexico

TETRA TECH

View of Remediation Activities – View East

View of Remediation Activities– View East

TETRA TECH

Appendix A

C-141 Document

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NRM2011334979
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.19852 Longitude -103.93148
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Booster Pump 1003	Site Type Produced Water Line
Date Release Discovered 04/20/2020	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
SESE	24	24S	29E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 342	Volume Recovered (bbls) 55
	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
A 16-inch poly line failed at the Booster Pump. The pump was not on, and the line was not flowing. The line was shut in and the leak was stopped. The pipe section was replaced. The water released flowed along natural contours around McDonald road. A Hydro-Vac truck removed free-standing water. The remainder of the water absorbed into the soil. The area impacted ranges from 4 feet to 20 ft wide by 800 feet long, approx. 9,600 sq. feet. Release volume was determined by the size of the line, the opening, the time it took to shut in the line, and the length of line under gravity (as the line was not flowing) and the area impacted. Final residual remediation and reclamation will follow NMOCD guidelines for leaks and spills.

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Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2011334979
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? The volume of Produced Water released.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Notice given by submittal of this Form C-141 by Rob Kirk, General Manager, HSE & Compliance as required by NMOCD.

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:

Initial observations indicate that some of the released material absorbed into the soil in the area described.

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

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

Printed Name: Rob Kirk
Title: General Manager, HSE and Compliance
Signature: RPKirk
Date: 04/21/2020
email: rob.kirk@solarismidstream.com
Telephone: 432-203-9020

OCD Only

Received by: Ramona Marcus
Date: 4/22/2020

State of New Mexico
Oil Conservation Division

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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/16/2023

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/16/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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	NAB1928444103
District RP	2RP-5662
Facility ID	
Application ID	pAB1928443773

Release Notification K8GUG-190925-C-1410

Responsible Party

Responsible Party Solaris Water Midstream, LLC	OGRID 371643
Contact Name Rob Kirk	Contact Telephone O 432-203-9020 C 469-978-5620
Contact email rob.kirk@solarismidstream.com	Incident # *(assigned by OCD)* NAB1928444103
Contact mailing address 907 Tradewinds Blvd, Ste B, Midland, TX 79706	

Location of Release Source

Latitude 32.19851 Longitude -103.93148
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Oxy Sand Dunes Line	Site Type Booster pump
Date Release Discovered 09/12/2019	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	24	24S	29E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 20	Volume Recovered (bbls) 0
	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

A leak developed on a booster pump at the discharge of a valve set. Our customer shut down their transfer pump without alerting us. We got high pressure shut down alarms. Our field team responded, and as they were in route, the leak occurred resulting in a 4" connection failure at the pump discharge at the valve. The failed connection was repaired immediately. Based on the size of the line and volume held, turning off the system quickly, the duration of the leak, and the area of soil impacted of approximately of 5 feet wide by 90 feet long or 450 sq. feet, the amount of produced water/recycled water released was 20 bbls.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1928444103
District RP	2RP-5662
Facility ID	
Application ID	pAB1928443773

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:

Intital observations indicate that residual surface stains remain as released liquids were absorbed into the surface soils along the area described.

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

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

Printed Name: Rob Kirk
Title: General Manager, HSE and Compliance
Signature: RPKirk
Date: 09/24/2019
email: rob.kirk@solarismidstream.com
Telephone: 432-203-9020

OCD Only

Received by: *Amalia Bustamante*
Date: *10/11/2019*

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
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	NRM2003445187
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude __32.19858_____ Longitude ___-103.93073_____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Oxy Reverse C Valve Set 3	Site Type Valve Set Station
Date Release Discovered 12/07/2019	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
SESE	24	24 S	29 E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name: ___Solaris Water Midstream LLC____*)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 356	Volume Recovered (bbls) 30
	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

A weld failed on a cross-manifold connecting multiple Produced Water lines. The leak was stopped, and the pipe section was replaced. The released water flowed in a narrow channel near Rawhide Road and then McDonald Road following another narrow-bladed area. The areas impacted covers approximately 2,400 feet by 4 feet or an estimated 9,600 square feet. Release volume was determined by the square footage of the area impacted, the estimated flow rate at the weld failure, and the duration or the leak. The free-standing liquid was cleaned-up. Final residual remediation and reclamation will follow NMOCD recommended guidelines for leaks and spills.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2003445187
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? The volume of Produced Water released.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc.)?

Notice given by submittal of this Form C-141 by Rob Kirk, General Manager, HSE and Compliance, Solaris Water Midstream as required by NMOCD.

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:

Initial observations indicate that released material absorbed into the soil in the area described. Some of the liquid and impacted recoverable material was captured at the time of the release.

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

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

Printed Name: Rob Kirk Title: General Manager, HSE and Compliance

Signature: Date: 12/08/2019

email: rob.kirk@solarismidstream.com Telephone: O-432-203-9020

OCD Only

Received by: Ramona Marcus Date: 2/3/2020

State of New Mexico
Oil Conservation Division

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.
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- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

TETRA TECH

Appendix B

Site Characterization Documents

USGS
science for a changing world

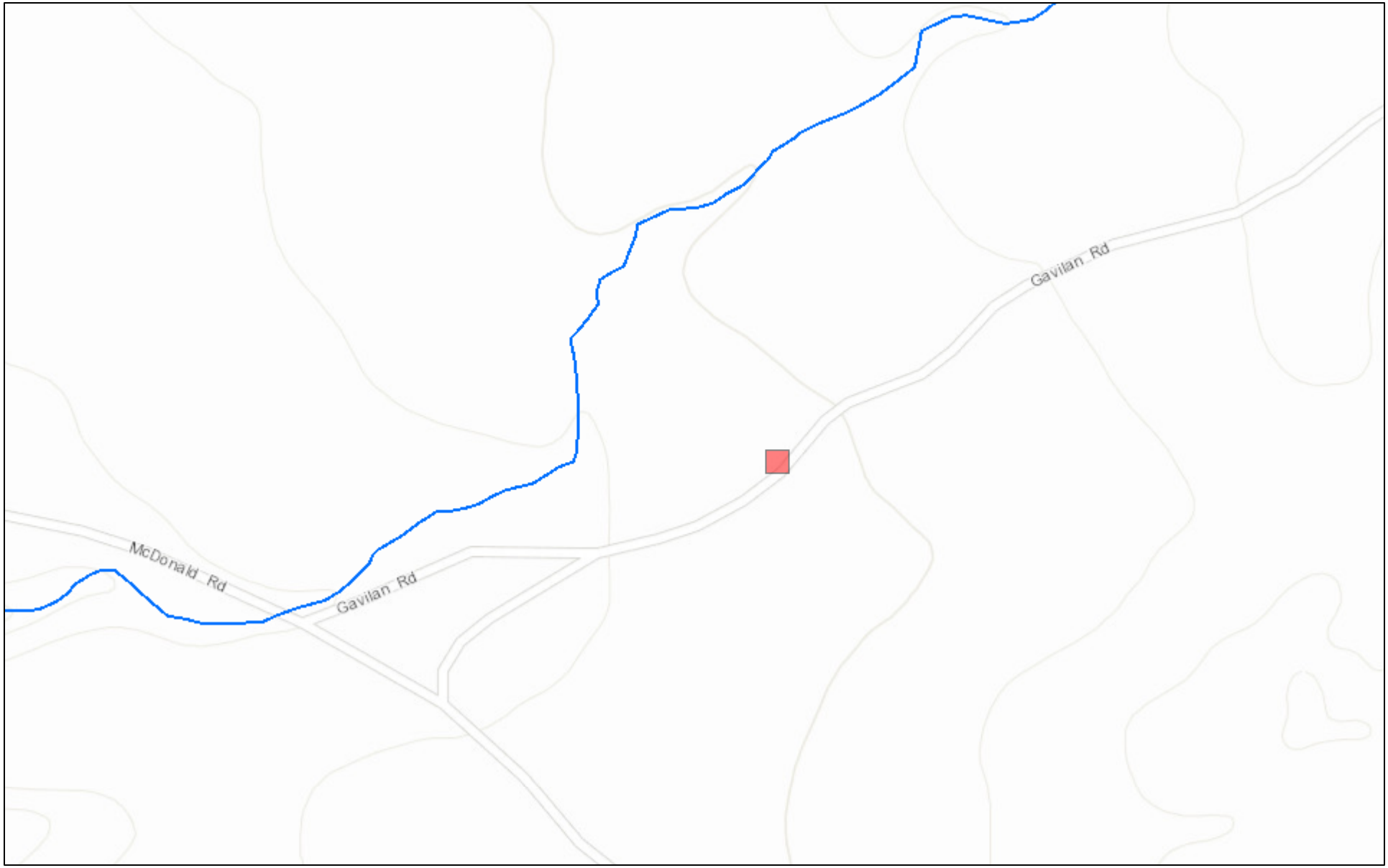
USGS Home
Contact USGS
Search USGS

National Water Information System: Mapper

Help Info

Site Information

New Mexico NFHL Data



September 20, 2020

1:4,514

0 0.0375 0.075 0.15 mi

0 0.05 0.1 0.2 km

FEMA

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

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

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

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- **NOTICE 09-08-2020: The NWIS Mapper is experiencing intermittent issues. Developers are looking into the problem. Thank you for your patience.**
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321205103544701

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

USGS 321205103544701 24S.30E.19.42113

Eddy County, New Mexico
Latitude 32°12'05", Longitude 103°54'47" NAD27
Land-surface elevation 3,188 feet above NAVD88
The depth of the well is 452 feet below land surface.
This well is completed in the Rustler Formation (312RSLR) 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
1958-10-24		D	227.70			2		U		U	A
1959-03-19		D	227.75			2		U		U	A
1975-12-10		D	231.78			2		U		U	A
1976-01-16		D	237.26			2		U		U	A
1976-12-01		D	230.73			2		U		U	A
1977-01-14		D	230.62			2		U		U	A
1983-02-01		D	235.93			2		U		U	A
1987-10-15		D	233.30			2		S		U	A
1998-01-27		D	231.02			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

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00349	C	CUB	ED		1	3	18	24S	29E	591401	3564773*	2734		
C 00381	C	CUB	ED	3	2	3	07	24S	29E	591682	3566297*	2797		
C 00463		C	ED	4	4	4	17	24S	29E	594332	3564282*	260	4	256
C 00856		CUB	ED	1	2	4	30	24S	29E	592538	3561644*	380		
C 00857		CUB	ED	3	1	4	30	24S	29E	592135	3561440*	306		
C 00862		CUB	ED	1	2	4	30	24S	29E	592538	3561644*	155		
C 00863		CUB	ED	3	3	1	16	24S	29E	594524	3565091*	220		
C 00863 CLW199506	O	CUB	ED	3	3	1	16	24S	29E	594524	3565091*	220		
C 02713		CUB	ED	4	4	1	16	24S	29E	591633	3565944	230	18	212
C 03615 POD1		CUB	ED	1	3	2	06	24S	29E	591964	3568500	60	36	24
C 03615 POD2		CUB	ED	4	2	4	06	24S	29E	592661	3568013	60	26	34

Average Depth to Water: **21 feet**

Minimum Depth: **4 feet**

Maximum Depth: **36 feet**

Record Count: 11

Basin/County Search:

County: Eddy

PLSS Search:

Township: 24S **Range:** 29E

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

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

Water Well Data
Average Depth to Groundwater (ft)
Booster Pump 1003
Eddy County, New Mexico

23 South 28 East

6 16.5	5	4	3	2	1
7 26.5	8	9	10	11 30.5	12 20
18 63	17	16	15 14	14	13 12 33
19	20 56	21	22 39	23 22'	24 36
30	29 - 28.7	28	27	26	25 44
31	32	33	34	35	36

23 South 29 East

6	5	4	3	2	1
7	8	9	10	11	12
18 10	17 65	16	15	14	13
19 28	20	21	22	23	24
30 35	29	28	27	26	25
31	32	33	34	35	36

23 South 30 East

6 110	5	4	3	2 250	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	34 440	35	36

24 South 28 East

6 70	5 30	4 30	3	2 55	1 60
7	8 50	9	10 17	11 20	12 73
18	17 42	16 29	15 18	14 52	13 34
19	20 48	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

24 South 29 East

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

24 South 30 East

6	5	4	3	2	1
7	8 186	9	10	11	12
18	17	16	15	14	13
19 231 150	20	21	22	23 400	24
30	29	28	27	26	25
31	32	33	34	35	36

25 South 28 East

6	5 59	4 35	3 32	2	1 Site
7	8	9	10	11	12
18 67	17	16	15 48 49	14	13
19	20 96	21	22	23	24
30	29 15	28 90	27	26 40	25
31	32	33	34	35	36 40

25 South 29 East

6 40	5	4	3	2	1
7	8	9	10 40	11	12
18	17	16	15 60	14	13
19	20	21	22	23	24
30 30	29	28	27	26	25
31	32 115	33	34	35	36

25 South 30 East

6	5	4	3	2 295	1
7 264	8	9 295	10	11	12 390
18	17	16	15	14	13
19	20	21 265 268	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

TETRA TECH

Appendix C

Laboratory Reports

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Certificate of Analysis Summary 667520

Tetra Tech- Midland, Midland, TX

Project Name: Solaris Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Brittany Roberts
Project Location: Eddy Co. NM

Date Received in Lab: Fri 07.17.2020 11:28
Report Date: 07.27.2020 13:18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	667520-001		667520-002		667520-003		667520-004		667520-005		667520-006	
	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:	07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	07.24.2020 17:15		07.24.2020 17:15		07.24.2020 17:15		07.24.2020 17:15		07.24.2020 17:15		07.24.2020 17:15	
	Analyzed:	07.25.2020 05:23		07.25.2020 05:44		07.25.2020 06:04		07.25.2020 06:25		07.25.2020 06:45		07.25.2020 07:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00399	0.00399	<0.00402	0.00402	<0.00403	0.00403	<0.00398	0.00398	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199
Inorganic Anions by EPA 300/300.1	***Extracted:***	07.20.2020 11:15		07.20.2020 11:15		07.20.2020 11:15		07.20.2020 11:15		07.20.2020 11:15		07.20.2020 11:15	
	Analyzed:	07.21.2020 15:35		07.21.2020 15:46		07.21.2020 15:25		07.21.2020 15:30		07.21.2020 15:41		07.21.2020 16:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		62.7	4.96	39.3	5.03	27.2	5.04	71.8	5.02	5350	49.5	5800	49.6
TPH By SW8015 Mod	***Extracted:***	07.17.2020 12:00		07.17.2020 12:00		07.17.2020 12:00		07.17.2020 12:00		07.17.2020 12:00		07.17.2020 12:00	
	Analyzed:	07.17.2020 13:52		07.17.2020 14:57		07.17.2020 15:19		07.17.2020 15:41		07.17.2020 16:03		07.17.2020 16:24	
	Units/RL:	mg/kg	RL	mg/kg	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	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9

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 667520

Tetra Tech- Midland, Midland, TX

Project Name: Solaris Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Brittany Roberts
Project Location: Eddy Co. NM

Date Received in Lab: Fri 07.17.2020 11:28
Report Date: 07.27.2020 13:18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	667520-007		667520-008		667520-009		667520-010		667520-011		667520-012	
	Field Id:	AH #4 (0-1')		AH #4 (1-1.5')		AH #4 (2-2.5')		AH #4 (3-3.5')		AH #4 (4-4.5')		AH #5 (0-1')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	07.24.2020 17:15		07.24.2020 17:15								07.24.2020 17:15	
	Analyzed:	07.25.2020 07:26		07.25.2020 07:46								07.25.2020 08:07	
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Benzene		<0.00199	0.00199	<0.00202	0.00202							<0.00201	0.00201
Toluene		<0.00199	0.00199	<0.00202	0.00202							<0.00201	0.00201
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202							<0.00201	0.00201
m,p-Xylenes		<0.00398	0.00398	<0.00403	0.00403							<0.00402	0.00402
o-Xylene		<0.00199	0.00199	<0.00202	0.00202							<0.00201	0.00201
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202							<0.00201	0.00201
Total BTEX		<0.00199	0.00199	<0.00202	0.00202							<0.00201	0.00201
Inorganic Anions by EPA 300/300.1	***Extracted:***	07.20.2020 11:15		07.20.2020 11:15		07.20.2020 11:15		07.20.2020 11:15		07.20.2020 11:15		07.20.2020 11:15	
	Analyzed:	07.21.2020 16:07		07.21.2020 16:23		07.21.2020 16:28		07.21.2020 16:33		07.21.2020 16:38		07.21.2020 16:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1680	24.8	4770	25.1	661	4.98	1410	5.00	180	5.00	39.9	4.96
TPH By SW8015 Mod	***Extracted:***	07.17.2020 12:00		07.17.2020 12:00								07.17.2020 12:00	
	Analyzed:	07.17.2020 16:46		07.17.2020 17:08								07.17.2020 17:30	
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0							<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0							<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0							<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0							<49.9	49.9

BRL - Below Reporting Limit

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Jessica Kramer

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Certificate of Analysis Summary 667520

Tetra Tech- Midland, Midland, TX

Project Name: Solaris Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Brittany Roberts
Project Location: Eddy Co. NM

Date Received in Lab: Fri 07.17.2020 11:28
Report Date: 07.27.2020 13:18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	667520-013		667520-014		667520-015		667520-016		667520-017		667520-018	
	Field Id:	AH #5 (1-1.5')		AH #6 (0-1')		AH #6 (1-1.5')		AH #6 (2-2.5')		AH #7 (0-1')		AH #7 (1-1.5')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	07.24.2020 17:15		07.24.2020 17:15		07.24.2020 17:15				07.24.2020 17:15		07.24.2020 17:15	
	Analyzed:	07.25.2020 08:27		07.25.2020 09:49		07.25.2020 10:10				07.25.2020 10:30		07.25.2020 10:51	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198			<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198			<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198			<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00402	0.00402	<0.00397	0.00397			<0.00397	0.00397	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198			<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198			<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198			<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	07.20.2020 11:15		07.20.2020 11:15		07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10	
	Analyzed:	07.21.2020 16:49		07.21.2020 16:54		07.21.2020 02:41		07.21.2020 02:47		07.21.2020 02:53		07.21.2020 03:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		26.5	4.97	3490	25.0	4850	25.2	4890	50.4	1520	25.0	1730	25.2
TPH By SW8015 Mod	***Extracted:***	07.17.2020 12:00		07.17.2020 12:00		07.17.2020 12:00				07.17.2020 12:00		07.17.2020 12:00	
	Analyzed:	07.17.2020 17:51		07.17.2020 18:35		07.17.2020 18:57				07.17.2020 19:19		07.17.2020 19:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9			<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9			<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9			<49.9	49.9	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<49.9	49.9			<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

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Certificate of Analysis Summary 667520

Tetra Tech- Midland, Midland, TX

Project Name: Solaris Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Brittany Roberts
Project Location: Eddy Co. NM

Date Received in Lab: Fri 07.17.2020 11:28
Report Date: 07.27.2020 13:18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	667520-019		667520-020		667520-021		667520-022		667520-023		667520-024	
	Field Id:	AH #7 (2-2.5')		AH #8 (0-1')		AH #8 (1-1.5')		AH #8 (2-2.5')		AH #8 (3-3.5')		AH #9 (0-1')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00	
BTEX by EPA 8021B	***Extracted:***			07.24.2020 17:15		07.24.2020 17:15						07.24.2020 17:15	
	Analyzed:			07.25.2020 11:11		07.25.2020 11:32						07.25.2020 11:52	
	Units/RL:			mg/kg	RL	mg/kg	RL					mg/kg	RL
Benzene				<0.00199	0.00199	<0.00199	0.00199					<0.00200	0.00200
Toluene				<0.00199	0.00199	<0.00199	0.00199					<0.00200	0.00200
Ethylbenzene				<0.00199	0.00199	<0.00199	0.00199					<0.00200	0.00200
m,p-Xylenes				<0.00398	0.00398	<0.00398	0.00398					<0.00399	0.00399
o-Xylene				<0.00199	0.00199	<0.00199	0.00199					<0.00200	0.00200
Total Xylenes				<0.00199	0.00199	<0.00199	0.00199					<0.00200	0.00200
Total BTEX				<0.00199	0.00199	<0.00199	0.00199					<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10	
	Analyzed:	07.21.2020 03:18		07.21.2020 03:24		07.21.2020 03:30		07.21.2020 03:36		07.21.2020 03:43		07.21.2020 02:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1380	25.2	3900	25.3	4430	25.1	5160	49.5	4870	49.5	225	4.98
TPH By SW8015 Mod	***Extracted:***			07.17.2020 12:00		07.17.2020 16:00						07.17.2020 12:00	
	Analyzed:			07.17.2020 20:02		07.17.2020 23:35						07.17.2020 20:23	
	Units/RL:			mg/kg	RL	mg/kg	RL					mg/kg	RL
Gasoline Range Hydrocarbons (GRO)				<50.0	50.0	<50.0	50.0					<49.9	49.9
Diesel Range Organics (DRO)				87.3	50.0	65.8	50.0					<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)				<50.0	50.0	<50.0	50.0					<49.9	49.9
Total TPH				87.3	50.0	65.8	50.0					<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 667520

Tetra Tech- Midland, Midland, TX

Project Name: Solaris Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Brittany Roberts
Project Location: Eddy Co. NM

Date Received in Lab: Fri 07.17.2020 11:28
Report Date: 07.27.2020 13:18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	667520-025		667520-026		667520-027		667520-028		667520-029		667520-030	
	Field Id:	AH #10 (0-1')		AH #11 (0-1')		AH #11 (1-1.5')		AH #12 (0-1')		AH #12 (1-1.5')		AH #13 (0-1')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	07.24.2020 17:15		07.24.2020 17:15		07.24.2020 17:15		07.25.2020 08:00		07.25.2020 08:00		07.25.2020 08:00	
	Analyzed:	07.25.2020 12:13		07.25.2020 12:34		07.25.2020 12:54		07.25.2020 16:08		07.25.2020 16:29		07.25.2020 16:49	
	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	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00396	0.00396	<0.00400	0.00400	<0.00399	0.00399	<0.00400	0.00400	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Inorganic Anions by EPA 300/300.1	***Extracted:***	07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10	
	Analyzed:	07.21.2020 04:07		07.21.2020 04:13		07.21.2020 04:32		07.21.2020 04:38		07.21.2020 04:44		07.21.2020 04:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1750	25.2	3440	25.0	6220	49.7	5710	50.5	5760	49.0	4530	24.8
TPH By SW8015 Mod	***Extracted:***	07.17.2020 12:00		07.17.2020 12:00		07.17.2020 12:00		07.17.2020 12:00		07.17.2020 16:00		07.17.2020 16:00	
	Analyzed:	07.17.2020 20:45		07.17.2020 21:06		07.17.2020 21:28		07.17.2020 21:49		07.18.2020 00:38		07.18.2020 00:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	353	49.9	<50.0	50.0	62.8	50.0	66.1	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	70.6	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<49.8	49.8	<50.0	50.0	424	49.9	<50.0	50.0	62.8	50.0	66.1	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 667520

Tetra Tech- Midland, Midland, TX

Project Name: Solaris Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Brittany Roberts
Project Location: Eddy Co. NM

Date Received in Lab: Fri 07.17.2020 11:28
Report Date: 07.27.2020 13:18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	667520-031		667520-032		667520-033		667520-034		667520-035		667520-036	
	Field Id:	AH #13 (1-1.5')		AH #14 (0-1')		AH #14 (1-1.5')		AH #14 (2-2.5')		AH #14 (3-3.5')		AH #15 (0-1')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	07.25.2020 08:00		07.25.2020 08:00		07.25.2020 08:00						07.25.2020 08:00	
	Analyzed:	07.25.2020 17:10		07.25.2020 17:31		07.25.2020 17:51						07.25.2020 18:12	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL					mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198					<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198					<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198					<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00397	0.00397					<0.00399	0.00399
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198					<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198					<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198					<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:10		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35	
	Analyzed:	07.21.2020 04:56		07.21.2020 05:03		07.21.2020 05:09		07.21.2020 17:41		07.21.2020 17:46		07.21.2020 17:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		9700	49.6	3620	24.9	4130	24.9	4470	25.2	4140	24.9	2500	25.0
TPH By SW8015 Mod	***Extracted:***	07.17.2020 16:00		07.17.2020 16:00		07.17.2020 16:00						07.17.2020 16:00	
	Analyzed:	07.18.2020 01:20		07.18.2020 01:41		07.18.2020 02:02						07.18.2020 02:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL					mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8					<50.0	50.0
Diesel Range Organics (DRO)		134	50.0	62.2	49.9	<49.8	49.8					<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8					<50.0	50.0
Total TPH		134	50.0	62.2	49.9	<49.8	49.8					<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 667520

Tetra Tech- Midland, Midland, TX

Project Name: Solaris Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Brittany Roberts
Project Location: Eddy Co. NM

Date Received in Lab: Fri 07.17.2020 11:28
Report Date: 07.27.2020 13:18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	667520-037		667520-038		667520-039		667520-040		667520-041		667520-042	
	Field Id:	AH #15 (1-1.5')		AH #15 (2-2.5')		AH #15 (3-3.5')		AH #16 (0-1')		AH #16 (1-1.5')		AH #16 (2-2.5')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	07.25.2020 08:00						07.25.2020 08:00		07.25.2020 08:00			
	Analyzed:	07.25.2020 18:32						07.25.2020 18:53		07.25.2020 19:13			
	Units/RL:	mg/kg	RL					mg/kg	RL	mg/kg	RL		
Benzene		<0.00200	0.00200					<0.00201	0.00201	<0.00199	0.00199		
Toluene		<0.00200	0.00200					<0.00201	0.00201	<0.00199	0.00199		
Ethylbenzene		<0.00200	0.00200					<0.00201	0.00201	<0.00199	0.00199		
m,p-Xylenes		<0.00399	0.00399					<0.00402	0.00402	<0.00398	0.00398		
o-Xylene		<0.00200	0.00200					<0.00201	0.00201	<0.00199	0.00199		
Total Xylenes		<0.00200	0.00200					<0.00201	0.00201	<0.00199	0.00199		
Total BTEX		<0.00200	0.00200					<0.00201	0.00201	<0.00199	0.00199		
Inorganic Anions by EPA 300/300.1	***Extracted:***	07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35	
	Analyzed:	07.21.2020 17:57		07.21.2020 18:12		07.21.2020 17:25		07.21.2020 18:18		07.21.2020 18:23		07.21.2020 18:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2540	25.0	2450	25.2	915 X	5.02	2790	24.9	4780	25.2	5050	25.2
TPH By SW8015 Mod	***Extracted:***	07.17.2020 16:00						07.17.2020 16:00		07.17.2020 16:00			
	Analyzed:	07.18.2020 02:44						07.18.2020 03:05		07.18.2020 03:25			
	Units/RL:	mg/kg	RL					mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0					<49.8	49.8	<50.0	50.0		
Diesel Range Organics (DRO)		<50.0	50.0					<49.8	49.8	<50.0	50.0		
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0					<49.8	49.8	<50.0	50.0		
Total TPH		<50.0	50.0					<49.8	49.8	<50.0	50.0		

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Jessica Kramer

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Certificate of Analysis Summary 667520

Tetra Tech- Midland, Midland, TX

Project Name: Solaris Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Brittany Roberts
Project Location: Eddy Co. NM

Date Received in Lab: Fri 07.17.2020 11:28
Report Date: 07.27.2020 13:18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	667520-043		667520-044		667520-045		667520-046		667520-047		667520-048	
	Field Id:	Horizontal 1		Horizontal 2		Horizontal 3		Horizontal 4		Horizontal 5		Horizontal 6	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	07.25.2020 08:00		07.25.2020 08:00		07.25.2020 08:00		07.25.2020 08:00		07.25.2020 08:00		07.25.2020 08:00	
	Analyzed:	07.25.2020 20:46		07.25.2020 21:07		07.25.2020 21:27		07.25.2020 21:48		07.25.2020 22:09		07.25.2020 22:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198
Toluene		0.00331	0.00199	0.00235	0.00198	<0.00200	0.00200	<0.00202	0.00202	0.00410	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00396	0.00396	<0.00399	0.00399	<0.00403	0.00403	0.00471	0.00401	<0.00397	0.00397
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	0.00471	0.00200	<0.00198	0.00198
Total BTEX		0.00331	0.00199	0.00235	0.00198	<0.00200	0.00200	<0.00202	0.00202	0.00881	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300/300.1	***Extracted:***	07.20.2020 12:10		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35	
	Analyzed:	07.21.2020 03:49		07.21.2020 18:33		07.21.2020 18:39		07.21.2020 18:54		07.21.2020 19:15		07.21.2020 19:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		25.5	4.98	1180	24.9	652 X	5.03	16.8	4.96	19.6	4.95	126	4.98
TPH By SW8015 Mod	***Extracted:***	07.17.2020 16:00		07.17.2020 16:00		07.17.2020 16:00		07.17.2020 16:00		07.17.2020 16:00		07.17.2020 16:00	
	Analyzed:	07.18.2020 04:07		07.18.2020 04:28		07.18.2020 04:49		07.18.2020 05:10		07.18.2020 05:31		07.18.2020 05:52	
	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	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.8	49.8	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.8	49.8	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.8	49.8	<49.9	49.9
Total TPH		<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.8	49.8	<49.9	49.9

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Jessica Kramer

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Certificate of Analysis Summary 667520

Tetra Tech- Midland, Midland, TX

Project Name: Solaris Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Brittany Roberts
Project Location: Eddy Co. NM

Date Received in Lab: Fri 07.17.2020 11:28
Report Date: 07.27.2020 13:18
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	667520-049		667520-050		667520-051		667520-052		667520-053		667520-054	
	Field Id:	Horizontal 7		Horizontal 8		Horizontal 9		Horizontal 10		AH #16 (3-3.5)		AH #16 (4-4.5)	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00		07.15.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	07.25.2020 08:00		07.25.2020 08:00		07.25.2020 08:00		07.25.2020 08:00		07.26.2020 10:00		07.26.2020 10:00	
	Analyzed:	07.25.2020 22:50		07.25.2020 23:10		07.25.2020 23:31		07.25.2020 23:51		07.26.2020 14:43		07.26.2020 15:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00404	0.00404	<0.00398	0.00398	<0.00398	0.00398	<0.00399	0.00399	<0.00399	0.00399	<0.00396	0.00396
o-Xylene		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300/300.1	***Extracted:***	07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35		07.20.2020 12:35	
	Analyzed:	07.21.2020 18:59		07.21.2020 19:26		07.21.2020 19:31		07.21.2020 19:36		07.21.2020 19:41		07.21.2020 19:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		14.7	4.96	11.9	4.96	10.1	4.97	14.7	4.98	4380	24.8	4730	50.0
TPH By SW8015 Mod	***Extracted:***	07.17.2020 16:00		07.17.2020 16:00		07.17.2020 16:00		07.17.2020 16:00		07.20.2020 13:00		07.20.2020 13:00	
	Analyzed:	07.18.2020 06:13		07.18.2020 06:34		07.18.2020 06:55		07.18.2020 07:15		07.20.2020 21:42		07.20.2020 22:01	
	Units/RL:	mg/kg	RL	mg/kg	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	<49.8	49.8	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.8	49.8	<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	<49.8	49.8	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 667520

for

Tetra Tech- Midland

Project Manager: Brittany Roberts

Solaris Booster Pump 1003

212C-MD-02236

07.27.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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07.27.2020

Project Manager: **Brittany Roberts**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **667520**
Solaris Booster Pump 1003
Project Address: Eddy Co. NM

Brittany Roberts:

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) 667520. 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. 667520 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

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Sample Cross Reference 667520

Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH #1 (0-1')	S	07.15.2020 00:00		667520-001
AH #1 (1-1.5')	S	07.15.2020 00:00		667520-002
AH #2 (0-1')	S	07.15.2020 00:00		667520-003
AH #2 (1-1.5')	S	07.15.2020 00:00		667520-004
AH #3 (0-1')	S	07.15.2020 00:00		667520-005
AH #3 (1-1.5')	S	07.15.2020 00:00		667520-006
AH #4 (0-1')	S	07.15.2020 00:00		667520-007
AH #4 (1-1.5')	S	07.15.2020 00:00		667520-008
AH #4 (2-2.5')	S	07.15.2020 00:00		667520-009
AH #4 (3-3.5')	S	07.15.2020 00:00		667520-010
AH #4 (4-4.5')	S	07.15.2020 00:00		667520-011
AH #5 (0-1')	S	07.15.2020 00:00		667520-012
AH #5 (1-1.5')	S	07.15.2020 00:00		667520-013
AH #6 (0-1')	S	07.15.2020 00:00		667520-014
AH #6 (1-1.5')	S	07.15.2020 00:00		667520-015
AH #6 (2-2.5')	S	07.15.2020 00:00		667520-016
AH #7 (0-1')	S	07.15.2020 00:00		667520-017
AH #7 (1-1.5')	S	07.15.2020 00:00		667520-018
AH #7 (2-2.5')	S	07.15.2020 00:00		667520-019
AH #8 (0-1')	S	07.15.2020 00:00		667520-020
AH #8 (1-1.5')	S	07.15.2020 00:00		667520-021
AH #8 (2-2.5')	S	07.15.2020 00:00		667520-022
AH #8 (3-3.5')	S	07.15.2020 00:00		667520-023
AH #9 (0-1')	S	07.15.2020 00:00		667520-024
AH #10 (0-1')	S	07.15.2020 00:00		667520-025
AH #11 (0-1')	S	07.15.2020 00:00		667520-026
AH #11 (1-1.5')	S	07.15.2020 00:00		667520-027
AH #12 (0-1')	S	07.15.2020 00:00		667520-028
AH #12 (1-1.5')	S	07.15.2020 00:00		667520-029
AH #13 (0-1')	S	07.15.2020 00:00		667520-030
AH #13 (1-1.5')	S	07.15.2020 00:00		667520-031
AH #14 (0-1')	S	07.15.2020 00:00		667520-032
AH #14 (1-1.5')	S	07.15.2020 00:00		667520-033
AH #14 (2-2.5')	S	07.15.2020 00:00		667520-034
AH #14 (3-3.5')	S	07.15.2020 00:00		667520-035
AH #15 (0-1')	S	07.15.2020 00:00		667520-036
AH #15 (1-1.5')	S	07.15.2020 00:00		667520-037
AH #15 (2-2.5')	S	07.15.2020 00:00		667520-038
AH #15 (3-3.5')	S	07.15.2020 00:00		667520-039
AH #16 (0-1')	S	07.15.2020 00:00		667520-040
AH #16 (1-1.5')	S	07.15.2020 00:00		667520-041
AH #16 (2-2.5')	S	07.15.2020 00:00		667520-042
Horizontal 1	S	07.15.2020 00:00		667520-043

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Sample Cross Reference 667520

Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Horizontal 2	S	07.15.2020 00:00	667520-044
Horizontal 3	S	07.15.2020 00:00	667520-045
Horizontal 4	S	07.15.2020 00:00	667520-046
Horizontal 5	S	07.15.2020 00:00	667520-047
Horizontal 6	S	07.15.2020 00:00	667520-048
Horizontal 7	S	07.15.2020 00:00	667520-049
Horizontal 8	S	07.15.2020 00:00	667520-050
Horizontal 9	S	07.15.2020 00:00	667520-051
Horizontal 10	S	07.15.2020 00:00	667520-052
AH #16 (3-3.5)	S	07.15.2020 00:00	667520-053
AH #16 (4-4.5)	S	07.15.2020 00:00	667520-054

CASE NARRATIVE

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Client Name: Tetra Tech- Midland

Project Name: Solaris Booster Pump 1003

Project ID: *212C-MD-02236*
Work Order Number(s): *667520*

Report Date: *07.27.2020*
Date Received: *07.17.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3132192 TPH By SW8015 Mod

Surrogate 1-Chlorooctane recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7707723-1-BKS.
Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7707723-1-BLK.

Batch: LBA-3132249 Inorganic Anions by EPA 300/300.1

Lab Sample ID 667520-045 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 667520-034, -035, -036, -037, -038, -039, -040, -041, -042, -044, -045, -046, -047, -048, -049, -050, -051, -052, -053, -054.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3132601 BTEX by EPA 8021B

Lab Sample ID 667520-012 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 667520-001, -002, -003, -004, -005, -006, -007, -008, -012, -013, -014, -015, -017, -018, -020, -021, -024, -025, -026, -027.
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 667520

Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #1 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-001	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**62.7**	4.96	mg/kg	07.21.2020 15:35		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 13:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 13:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 13:52	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 13:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	07.17.2020 13:52	
o-Terphenyl	84-15-1	91	%	70-130	07.17.2020 13:52	

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Certificate of Analytical Results 667520

Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #1 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-001	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 05:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 05:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 05:23	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.25.2020 05:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 05:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 05:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 05:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	07.25.2020 05:23	
1,4-Difluorobenzene	540-36-3	116	%	70-130	07.25.2020 05:23	

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Certificate of Analytical Results 667520

Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #1 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-002	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**39.3**	5.03	mg/kg	07.21.2020 15:46		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 14:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 14:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 14:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 14:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	07.17.2020 14:57	
o-Terphenyl	84-15-1	94	%	70-130	07.17.2020 14:57	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #1 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-002	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.25.2020 05:44	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.25.2020 05:44	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.25.2020 05:44	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.25.2020 05:44	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.25.2020 05:44	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.25.2020 05:44	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.25.2020 05:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	07.25.2020 05:44	
1,4-Difluorobenzene	540-36-3	108	%	70-130	07.25.2020 05:44	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #2 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-003	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.2**	5.04	mg/kg	07.21.2020 15:25		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.17.2020 15:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.17.2020 15:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.17.2020 15:19	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.17.2020 15:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	07.17.2020 15:19	
o-Terphenyl	84-15-1	93	%	70-130	07.17.2020 15:19	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #2 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-003	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.25.2020 06:04	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.25.2020 06:04	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.25.2020 06:04	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	07.25.2020 06:04	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.25.2020 06:04	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.25.2020 06:04	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.25.2020 06:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	07.25.2020 06:04	
1,4-Difluorobenzene	540-36-3	108	%	70-130	07.25.2020 06:04	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #2 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-004	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**71.8**	5.02	mg/kg	07.21.2020 15:30		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 15:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 15:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 15:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	07.17.2020 15:41	
o-Terphenyl	84-15-1	94	%	70-130	07.17.2020 15:41	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #2 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-004	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 06:25	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 06:25	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 06:25	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 06:25	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 06:25	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 06:25	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 06:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	07.25.2020 06:25	
1,4-Difluorobenzene	540-36-3	106	%	70-130	07.25.2020 06:25	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #3 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-005	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5350**	49.5	mg/kg	07.21.2020 15:41		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 16:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 16:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 16:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 16:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	07.17.2020 16:03	
o-Terphenyl	84-15-1	103	%	70-130	07.17.2020 16:03	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #3 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-005	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 06:45	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 06:45	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 06:45	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 06:45	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 06:45	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 06:45	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 06:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.25.2020 06:45	
4-Bromofluorobenzene	460-00-4	122	%	70-130	07.25.2020 06:45	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #3 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-006	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5800**	49.6	mg/kg	07.21.2020 16:02		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.17.2020 16:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.17.2020 16:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.17.2020 16:24	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.17.2020 16:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	07.17.2020 16:24	
o-Terphenyl	84-15-1	102	%	70-130	07.17.2020 16:24	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #3 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-006	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 07:05	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 07:05	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 07:05	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 07:05	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 07:05	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 07:05	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 07:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	07.25.2020 07:05	
1,4-Difluorobenzene	540-36-3	107	%	70-130	07.25.2020 07:05	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #4 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-007	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1680**	24.8	mg/kg	07.21.2020 16:07		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 16:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 16:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 16:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 16:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	07.17.2020 16:46	
o-Terphenyl	84-15-1	101	%	70-130	07.17.2020 16:46	

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Solaris Booster Pump 1003

Sample Id:	**AH #4 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-007	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 07:26	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 07:26	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 07:26	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 07:26	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 07:26	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 07:26	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 07:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.25.2020 07:26	
4-Bromofluorobenzene	460-00-4	125	%	70-130	07.25.2020 07:26	

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Solaris Booster Pump 1003

Sample Id:	**AH #4 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-008	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4770**	25.1	mg/kg	07.21.2020 16:23		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 17:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 17:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 17:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 17:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	07.17.2020 17:08	
o-Terphenyl	84-15-1	103	%	70-130	07.17.2020 17:08	

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Solaris Booster Pump 1003

Sample Id:	**AH #4 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-008	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.25.2020 07:46	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.25.2020 07:46	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.25.2020 07:46	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	07.25.2020 07:46	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.25.2020 07:46	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.25.2020 07:46	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.25.2020 07:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	07.25.2020 07:46	
1,4-Difluorobenzene	540-36-3	108	%	70-130	07.25.2020 07:46	

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Solaris Booster Pump 1003

Sample Id:	**AH #4 (2-2.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-009	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**661**	4.98	mg/kg	07.21.2020 16:28		1

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Solaris Booster Pump 1003

Sample Id:	**AH #4 (3-3.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-010	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1410**	5.00	mg/kg	07.21.2020 16:33		1

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Solaris Booster Pump 1003

Sample Id:	**AH #4 (4-4.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-011	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**180**	5.00	mg/kg	07.21.2020 16:38		1

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Solaris Booster Pump 1003

Sample Id:	**AH #5 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-012	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**39.9**	4.96	mg/kg	07.21.2020 16:44		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.17.2020 17:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.17.2020 17:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.17.2020 17:30	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.17.2020 17:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	07.17.2020 17:30	
o-Terphenyl	84-15-1	98	%	70-130	07.17.2020 17:30	

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Solaris Booster Pump 1003

Sample Id:	**AH #5 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-012	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.25.2020 08:07	UX	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.25.2020 08:07	UX	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.25.2020 08:07	UX	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.25.2020 08:07	UX	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.25.2020 08:07	UX	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.25.2020 08:07	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.25.2020 08:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	07.25.2020 08:07	
4-Bromofluorobenzene	460-00-4	115	%	70-130	07.25.2020 08:07	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #5 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-013	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.5**	4.97	mg/kg	07.21.2020 16:49		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.17.2020 17:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.17.2020 17:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.17.2020 17:51	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.17.2020 17:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	07.17.2020 17:51	
o-Terphenyl	84-15-1	89	%	70-130	07.17.2020 17:51	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #5 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-013	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 08:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 08:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 08:27	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.25.2020 08:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 08:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 08:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 08:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	07.25.2020 08:27	
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.25.2020 08:27	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #6 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-014	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 11:15	Basis:	Wet Weight
Seq Number:	3132248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3490**	25.0	mg/kg	07.21.2020 16:54		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 18:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 18:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 18:35	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 18:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	07.17.2020 18:35	
o-Terphenyl	84-15-1	100	%	70-130	07.17.2020 18:35	

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Solaris Booster Pump 1003

Sample Id:	**AH #6 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-014	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.25.2020 09:49	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.25.2020 09:49	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.25.2020 09:49	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.25.2020 09:49	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.25.2020 09:49	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.25.2020 09:49	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.25.2020 09:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	07.25.2020 09:49	
1,4-Difluorobenzene	540-36-3	103	%	70-130	07.25.2020 09:49	

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Solaris Booster Pump 1003

Sample Id:	**AH #6 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-015	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4850**	25.2	mg/kg	07.21.2020 02:41		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.17.2020 18:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.17.2020 18:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.17.2020 18:57	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.17.2020 18:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	07.17.2020 18:57	
o-Terphenyl	84-15-1	101	%	70-130	07.17.2020 18:57	

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Solaris Booster Pump 1003

Sample Id:	**AH #6 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-015	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.25.2020 10:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.25.2020 10:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.25.2020 10:10	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.25.2020 10:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.25.2020 10:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.25.2020 10:10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.25.2020 10:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	07.25.2020 10:10	
1,4-Difluorobenzene	540-36-3	107	%	70-130	07.25.2020 10:10	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #6 (2-2.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-016	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4890**	50.4	mg/kg	07.21.2020 02:47		10

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #7 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-017	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1520**	25.0	mg/kg	07.21.2020 02:53		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.17.2020 19:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.17.2020 19:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.17.2020 19:19	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.17.2020 19:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	07.17.2020 19:19	
o-Terphenyl	84-15-1	108	%	70-130	07.17.2020 19:19	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #7 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-017	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.25.2020 10:30	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.25.2020 10:30	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.25.2020 10:30	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.25.2020 10:30	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.25.2020 10:30	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.25.2020 10:30	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.25.2020 10:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	07.25.2020 10:30	
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.25.2020 10:30	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #7 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-018	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1730**	25.2	mg/kg	07.21.2020 03:00		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 19:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 19:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 19:40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 19:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	07.17.2020 19:40	
o-Terphenyl	84-15-1	98	%	70-130	07.17.2020 19:40	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #7 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-018	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 10:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 10:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 10:51	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.25.2020 10:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 10:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 10:51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 10:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.25.2020 10:51	
4-Bromofluorobenzene	460-00-4	112	%	70-130	07.25.2020 10:51	

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Solaris Booster Pump 1003

Sample Id:	**AH #7 (2-2.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-019	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1380**	25.2	mg/kg	07.21.2020 03:18		5

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Solaris Booster Pump 1003

Sample Id:	**AH #8 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-020	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3900**	25.3	mg/kg	07.21.2020 03:24		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 20:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	**87.3**	50.0	mg/kg	07.17.2020 20:02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 20:02	U	1
Total TPH	PHC635	**87.3**	50.0	mg/kg	07.17.2020 20:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	07.17.2020 20:02	
o-Terphenyl	84-15-1	98	%	70-130	07.17.2020 20:02	

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Solaris Booster Pump 1003

Sample Id:	**AH #8 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-020	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 11:11	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 11:11	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 11:11	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 11:11	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 11:11	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 11:11	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 11:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	07.25.2020 11:11	
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.25.2020 11:11	

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Solaris Booster Pump 1003

Sample Id:	**AH #8 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-021	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4430**	25.1	mg/kg	07.21.2020 03:30		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 23:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	**65.8**	50.0	mg/kg	07.17.2020 23:35		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 23:35	U	1
Total TPH	PHC635	**65.8**	50.0	mg/kg	07.17.2020 23:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	07.17.2020 23:35	
o-Terphenyl	84-15-1	89	%	70-130	07.17.2020 23:35	

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Solaris Booster Pump 1003

Sample Id:	**AH #8 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-021	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 11:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 11:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 11:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 11:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 11:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 11:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 11:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	07.25.2020 11:32	
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.25.2020 11:32	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #8 (2-2.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-022	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5160**	49.5	mg/kg	07.21.2020 03:36		10

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #8 (3-3.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-023	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4870**	49.5	mg/kg	07.21.2020 03:43		10

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #9 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-024	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**225**	4.98	mg/kg	07.21.2020 02:23		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.17.2020 20:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.17.2020 20:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.17.2020 20:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.17.2020 20:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	07.17.2020 20:23	
o-Terphenyl	84-15-1	91	%	70-130	07.17.2020 20:23	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #9 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-024	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 11:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 11:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 11:52	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.25.2020 11:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 11:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 11:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 11:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	07.25.2020 11:52	
1,4-Difluorobenzene	540-36-3	105	%	70-130	07.25.2020 11:52	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #10 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-025	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1750**	25.2	mg/kg	07.21.2020 04:07		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.17.2020 20:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.17.2020 20:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.17.2020 20:45	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.17.2020 20:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	07.17.2020 20:45	
o-Terphenyl	84-15-1	97	%	70-130	07.17.2020 20:45	

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Solaris Booster Pump 1003

Sample Id:	**AH #10 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-025	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.25.2020 12:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.25.2020 12:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.25.2020 12:13	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	07.25.2020 12:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.25.2020 12:13	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.25.2020 12:13	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.25.2020 12:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.25.2020 12:13	
4-Bromofluorobenzene	460-00-4	118	%	70-130	07.25.2020 12:13	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #11 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-026	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3440**	25.0	mg/kg	07.21.2020 04:13		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 21:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 21:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 21:06	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 21:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	07.17.2020 21:06	
o-Terphenyl	84-15-1	92	%	70-130	07.17.2020 21:06	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #11 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-026	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 12:34	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 12:34	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 12:34	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	07.25.2020 12:34	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 12:34	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 12:34	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 12:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	07.25.2020 12:34	
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.25.2020 12:34	

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Solaris Booster Pump 1003

Sample Id:	**AH #11 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-027	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6220**	49.7	mg/kg	07.21.2020 04:32		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.17.2020 21:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	**353**	49.9	mg/kg	07.17.2020 21:28		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**70.6**	49.9	mg/kg	07.17.2020 21:28		1
Total TPH	PHC635	**424**	49.9	mg/kg	07.17.2020 21:28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	07.17.2020 21:28	
o-Terphenyl	84-15-1	101	%	70-130	07.17.2020 21:28	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #11 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-027	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.24.2020 17:15	Basis:	Wet Weight
Seq Number:	3132601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 12:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 12:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 12:54	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.25.2020 12:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 12:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 12:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 12:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	07.25.2020 12:54	
4-Bromofluorobenzene	460-00-4	113	%	70-130	07.25.2020 12:54	

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Solaris Booster Pump 1003

Sample Id:	**AH #12 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-028	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5710**	50.5	mg/kg	07.21.2020 04:38		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 12:00	Basis:	Wet Weight
Seq Number:	3132037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.17.2020 21:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.17.2020 21:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.17.2020 21:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.17.2020 21:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	07.17.2020 21:49	
o-Terphenyl	84-15-1	96	%	70-130	07.17.2020 21:49	

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Solaris Booster Pump 1003

Sample Id:	**AH #12 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-028	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 16:08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 16:08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 16:08	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	07.25.2020 16:08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 16:08	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 16:08	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 16:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	07.25.2020 16:08	
1,4-Difluorobenzene	540-36-3	108	%	70-130	07.25.2020 16:08	

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Solaris Booster Pump 1003

Sample Id:	**AH #12 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-029	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5760**	49.0	mg/kg	07.21.2020 04:44		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.18.2020 00:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	**62.8**	50.0	mg/kg	07.18.2020 00:38		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.18.2020 00:38	U	1
Total TPH	PHC635	**62.8**	50.0	mg/kg	07.18.2020 00:38		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	07.18.2020 00:38	
o-Terphenyl	84-15-1	88	%	70-130	07.18.2020 00:38	

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Solaris Booster Pump 1003

Sample Id:	**AH #12 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-029	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 16:29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 16:29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 16:29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 16:29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 16:29	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 16:29	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 16:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.25.2020 16:29	
4-Bromofluorobenzene	460-00-4	117	%	70-130	07.25.2020 16:29	

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Solaris Booster Pump 1003

Sample Id:	**AH #13 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-030	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4530**	24.8	mg/kg	07.21.2020 04:50		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.18.2020 00:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	**66.1**	49.9	mg/kg	07.18.2020 00:59		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.18.2020 00:59	U	1
Total TPH	PHC635	**66.1**	49.9	mg/kg	07.18.2020 00:59		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	07.18.2020 00:59	
o-Terphenyl	84-15-1	85	%	70-130	07.18.2020 00:59	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #13 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-030	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 16:49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 16:49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 16:49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 16:49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 16:49	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 16:49	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 16:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	07.25.2020 16:49	
1,4-Difluorobenzene	540-36-3	107	%	70-130	07.25.2020 16:49	

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Solaris Booster Pump 1003

Sample Id:	**AH #13 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-031	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9700**	49.6	mg/kg	07.21.2020 04:56		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.18.2020 01:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	**134**	50.0	mg/kg	07.18.2020 01:20		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.18.2020 01:20	U	1
Total TPH	PHC635	**134**	50.0	mg/kg	07.18.2020 01:20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	07.18.2020 01:20	
o-Terphenyl	84-15-1	87	%	70-130	07.18.2020 01:20	

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Solaris Booster Pump 1003

Sample Id:	**AH #13 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-031	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 17:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 17:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 17:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 17:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 17:10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 17:10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 17:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	07.25.2020 17:10	
4-Bromofluorobenzene	460-00-4	104	%	70-130	07.25.2020 17:10	

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Solaris Booster Pump 1003

Sample Id:	**AH #14 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-032	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3620**	24.9	mg/kg	07.21.2020 05:03		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.18.2020 01:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	**62.2**	49.9	mg/kg	07.18.2020 01:41		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.18.2020 01:41	U	1
Total TPH	PHC635	**62.2**	49.9	mg/kg	07.18.2020 01:41		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	07.18.2020 01:41	
o-Terphenyl	84-15-1	86	%	70-130	07.18.2020 01:41	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #14 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-032	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 17:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 17:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 17:31	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	07.25.2020 17:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 17:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 17:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 17:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.25.2020 17:31	
4-Bromofluorobenzene	460-00-4	116	%	70-130	07.25.2020 17:31	

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Solaris Booster Pump 1003

Sample Id:	**AH #14 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-033	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4130**	24.9	mg/kg	07.21.2020 05:09		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.18.2020 02:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.18.2020 02:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.18.2020 02:02	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.18.2020 02:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	07.18.2020 02:02	
o-Terphenyl	84-15-1	86	%	70-130	07.18.2020 02:02	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #14 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-033	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.25.2020 17:51	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.25.2020 17:51	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.25.2020 17:51	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.25.2020 17:51	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.25.2020 17:51	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.25.2020 17:51	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.25.2020 17:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	07.25.2020 17:51	
1,4-Difluorobenzene	540-36-3	113	%	70-130	07.25.2020 17:51	

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Solaris Booster Pump 1003

Sample Id:	**AH #14 (2-2.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-034	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4470**	25.2	mg/kg	07.21.2020 17:41		5

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Solaris Booster Pump 1003

Sample Id:	**AH #14 (3-3.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-035	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4140**	24.9	mg/kg	07.21.2020 17:46		5

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Solaris Booster Pump 1003

Sample Id:	**AH #15 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-036	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2500**	25.0	mg/kg	07.21.2020 17:52		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.18.2020 02:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.18.2020 02:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.18.2020 02:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.18.2020 02:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	07.18.2020 02:23	
o-Terphenyl	84-15-1	81	%	70-130	07.18.2020 02:23	

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Solaris Booster Pump 1003

Sample Id:	**AH #15 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-036	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 18:12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 18:12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 18:12	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.25.2020 18:12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 18:12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 18:12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 18:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	07.25.2020 18:12	
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.25.2020 18:12	

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Solaris Booster Pump 1003

Sample Id:	**AH #15 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-037	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2540**	25.0	mg/kg	07.21.2020 17:57		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.18.2020 02:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.18.2020 02:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.18.2020 02:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.18.2020 02:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	07.18.2020 02:44	
o-Terphenyl	84-15-1	82	%	70-130	07.18.2020 02:44	

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Solaris Booster Pump 1003

Sample Id:	**AH #15 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-037	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 18:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 18:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 18:32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.25.2020 18:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 18:32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 18:32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 18:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	07.25.2020 18:32	
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.25.2020 18:32	

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Solaris Booster Pump 1003

Sample Id:	**AH #15 (2-2.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-038	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2450**	25.2	mg/kg	07.21.2020 18:12		5

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Solaris Booster Pump 1003

Sample Id:	**AH #15 (3-3.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-039	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**915**	5.02	mg/kg	07.21.2020 17:25	X	1

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Solaris Booster Pump 1003

Sample Id:	**AH #16 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-040	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2790**	24.9	mg/kg	07.21.2020 18:18		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.18.2020 03:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.18.2020 03:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.18.2020 03:05	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.18.2020 03:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	07.18.2020 03:05	
o-Terphenyl	84-15-1	82	%	70-130	07.18.2020 03:05	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #16 (0-1')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-040	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.25.2020 18:53	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.25.2020 18:53	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.25.2020 18:53	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.25.2020 18:53	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.25.2020 18:53	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.25.2020 18:53	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.25.2020 18:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	07.25.2020 18:53	
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.25.2020 18:53	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #16 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-041	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4780**	25.2	mg/kg	07.21.2020 18:23		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.18.2020 03:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.18.2020 03:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.18.2020 03:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.18.2020 03:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	07.18.2020 03:25	
o-Terphenyl	84-15-1	90	%	70-130	07.18.2020 03:25	

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Solaris Booster Pump 1003

Sample Id:	**AH #16 (1-1.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-041	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 19:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 19:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 19:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 19:13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 19:13	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 19:13	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 19:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.25.2020 19:13	
4-Bromofluorobenzene	460-00-4	121	%	70-130	07.25.2020 19:13	

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Solaris Booster Pump 1003

Sample Id:	**AH #16 (2-2.5')**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-042	Date Collected:	07.15.2020 00:00		
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5050**	25.2	mg/kg	07.21.2020 18:28		5

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 1**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-043	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:10	Basis:	Wet Weight
Seq Number:	3132169				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**25.5**	4.98	mg/kg	07.21.2020 03:49		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.18.2020 04:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.18.2020 04:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.18.2020 04:07	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.18.2020 04:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	07.18.2020 04:07	
o-Terphenyl	84-15-1	85	%	70-130	07.18.2020 04:07	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**Horizontal 1**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-043	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 20:46	U	1
Toluene	108-88-3	**0.00331**	0.00199	mg/kg	07.25.2020 20:46		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 20:46	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 20:46	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 20:46	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 20:46	U	1
Total BTEX		**0.00331**	0.00199	mg/kg	07.25.2020 20:46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	07.25.2020 20:46	
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.25.2020 20:46	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**Horizontal 2**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-044	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1180**	24.9	mg/kg	07.21.2020 18:33		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.18.2020 04:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.18.2020 04:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.18.2020 04:28	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.18.2020 04:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	07.18.2020 04:28	
o-Terphenyl	84-15-1	78	%	70-130	07.18.2020 04:28	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**Horizontal 2**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-044	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.25.2020 21:07	U	1
Toluene	108-88-3	**0.00235**	0.00198	mg/kg	07.25.2020 21:07		1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.25.2020 21:07	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	07.25.2020 21:07	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.25.2020 21:07	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.25.2020 21:07	U	1
Total BTEX		**0.00235**	0.00198	mg/kg	07.25.2020 21:07		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	07.25.2020 21:07	
1,4-Difluorobenzene	540-36-3	113	%	70-130	07.25.2020 21:07	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 3**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-045	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**652**	5.03	mg/kg	07.21.2020 18:39	X	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.18.2020 04:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.18.2020 04:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.18.2020 04:49	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.18.2020 04:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	07.18.2020 04:49	
o-Terphenyl	84-15-1	83	%	70-130	07.18.2020 04:49	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 3**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-045	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 21:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 21:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 21:27	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.25.2020 21:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 21:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 21:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 21:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	07.25.2020 21:27	
4-Bromofluorobenzene	460-00-4	108	%	70-130	07.25.2020 21:27	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 4**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-046	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.8**	4.96	mg/kg	07.21.2020 18:54		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.18.2020 05:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.18.2020 05:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.18.2020 05:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.18.2020 05:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	07.18.2020 05:10	
o-Terphenyl	84-15-1	85	%	70-130	07.18.2020 05:10	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 4**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-046	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.25.2020 21:48	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.25.2020 21:48	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.25.2020 21:48	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	07.25.2020 21:48	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.25.2020 21:48	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.25.2020 21:48	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.25.2020 21:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	07.25.2020 21:48	
4-Bromofluorobenzene	460-00-4	110	%	70-130	07.25.2020 21:48	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 5**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-047	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.6**	4.95	mg/kg	07.21.2020 19:15		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.18.2020 05:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.18.2020 05:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.18.2020 05:31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.18.2020 05:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	07.18.2020 05:31	
o-Terphenyl	84-15-1	83	%	70-130	07.18.2020 05:31	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 5**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-047	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 22:09	U	1
Toluene	108-88-3	**0.00410**	0.00200	mg/kg	07.25.2020 22:09		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 22:09	U	1
m,p-Xylenes	179601-23-1	**0.00471**	0.00401	mg/kg	07.25.2020 22:09		1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 22:09	U	1
Total Xylenes	1330-20-7	**0.00471**	0.00200	mg/kg	07.25.2020 22:09		1
Total BTEX		**0.00881**	0.00200	mg/kg	07.25.2020 22:09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	07.25.2020 22:09	
4-Bromofluorobenzene	460-00-4	120	%	70-130	07.25.2020 22:09	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 6**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-048	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**126**	4.98	mg/kg	07.21.2020 19:20		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.18.2020 05:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.18.2020 05:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.18.2020 05:52	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.18.2020 05:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	07.18.2020 05:52	
o-Terphenyl	84-15-1	88	%	70-130	07.18.2020 05:52	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**Horizontal 6**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-048	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.25.2020 22:29	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.25.2020 22:29	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.25.2020 22:29	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.25.2020 22:29	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.25.2020 22:29	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.25.2020 22:29	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.25.2020 22:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	07.25.2020 22:29	
4-Bromofluorobenzene	460-00-4	123	%	70-130	07.25.2020 22:29	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 7**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-049	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.7**	4.96	mg/kg	07.21.2020 18:59		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.18.2020 06:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.18.2020 06:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.18.2020 06:13	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.18.2020 06:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	07.18.2020 06:13	
o-Terphenyl	84-15-1	89	%	70-130	07.18.2020 06:13	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 7**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-049	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.25.2020 22:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.25.2020 22:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.25.2020 22:50	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	07.25.2020 22:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.25.2020 22:50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.25.2020 22:50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.25.2020 22:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	07.25.2020 22:50	
4-Bromofluorobenzene	460-00-4	104	%	70-130	07.25.2020 22:50	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 8**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-050	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.9**	4.96	mg/kg	07.21.2020 19:26		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.18.2020 06:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.18.2020 06:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.18.2020 06:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.18.2020 06:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	07.18.2020 06:34	
o-Terphenyl	84-15-1	84	%	70-130	07.18.2020 06:34	

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Solaris Booster Pump 1003

Sample Id:	**Horizontal 8**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-050	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 23:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 23:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 23:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 23:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 23:10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 23:10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 23:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	07.25.2020 23:10	
1,4-Difluorobenzene	540-36-3	113	%	70-130	07.25.2020 23:10	

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Certificate of Analytical Results 667520

Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**Horizontal 9**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-051	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.1**	4.97	mg/kg	07.21.2020 19:31		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.18.2020 06:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.18.2020 06:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.18.2020 06:55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.18.2020 06:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	07.18.2020 06:55	
o-Terphenyl	84-15-1	84	%	70-130	07.18.2020 06:55	

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Certificate of Analytical Results 667520

Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**Horizontal 9**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-051	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.25.2020 23:31	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.25.2020 23:31	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.25.2020 23:31	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.25.2020 23:31	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.25.2020 23:31	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.25.2020 23:31	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.25.2020 23:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	07.25.2020 23:31	
4-Bromofluorobenzene	460-00-4	111	%	70-130	07.25.2020 23:31	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**Horizontal 10**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-052	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.7**	4.98	mg/kg	07.21.2020 19:36		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.17.2020 16:00	Basis:	Wet Weight
Seq Number:	3132042				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.18.2020 07:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.18.2020 07:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.18.2020 07:15	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.18.2020 07:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	07.18.2020 07:15	
o-Terphenyl	84-15-1	86	%	70-130	07.18.2020 07:15	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**Horizontal 10**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-052	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.25.2020 08:00	Basis:	Wet Weight
Seq Number:	3132604				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.25.2020 23:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.25.2020 23:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.25.2020 23:51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.25.2020 23:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.25.2020 23:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.25.2020 23:51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.25.2020 23:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	07.25.2020 23:51	
4-Bromofluorobenzene	460-00-4	110	%	70-130	07.25.2020 23:51	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #16 (3-3.5)**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-053	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4380**	24.8	mg/kg	07.21.2020 19:41		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.20.2020 13:00	Basis:	Wet Weight
Seq Number:	3132192				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.20.2020 21:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.20.2020 21:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.20.2020 21:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.20.2020 21:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-130	07.20.2020 21:42	
o-Terphenyl	84-15-1	126	%	70-130	07.20.2020 21:42	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #16 (3-3.5)**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-053	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.26.2020 10:00	Basis:	Wet Weight
Seq Number:	3132650				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.26.2020 14:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.26.2020 14:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.26.2020 14:43	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.26.2020 14:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.26.2020 14:43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.26.2020 14:43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.26.2020 14:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	07.26.2020 14:43	
1,4-Difluorobenzene	540-36-3	112	%	70-130	07.26.2020 14:43	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #16 (4-4.5)**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-054	Date Collected:	07.15.2020 00:00		

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.20.2020 12:35	Basis:	Wet Weight
Seq Number:	3132249				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4730**	50.0	mg/kg	07.21.2020 19:46		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.20.2020 13:00	Basis:	Wet Weight
Seq Number:	3132192				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.20.2020 22:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.20.2020 22:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.20.2020 22:01	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.20.2020 22:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	07.20.2020 22:01	
o-Terphenyl	84-15-1	102	%	70-130	07.20.2020 22:01	

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Tetra Tech- Midland, Midland, TX

Solaris Booster Pump 1003

Sample Id:	**AH #16 (4-4.5)**	Matrix:	Soil	Date Received:	07.17.2020 11:28
Lab Sample Id:	667520-054	Date Collected:	07.15.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	07.26.2020 10:00	Basis:	Wet Weight
Seq Number:	3132650				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.26.2020 15:03	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.26.2020 15:03	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.26.2020 15:03	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	07.26.2020 15:03	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.26.2020 15:03	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.26.2020 15:03	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.26.2020 15:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	07.26.2020 15:03	
1,4-Difluorobenzene	540-36-3	112	%	70-130	07.26.2020 15:03	

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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 667520

Tetra Tech- Midland

Solaris Booster Pump 1003

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3132248 — Matrix: Solid — Date Prep: 07.20.2020
MB Sample Id: 7707670-1-BLK — LCS Sample Id: 7707670-1-BKS — LCSD Sample Id: 7707670-1-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	245	98	244	98	90-110	0	20	mg/kg	07.21.2020 14:22	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3132169 — Matrix: Solid — Date Prep: 07.20.2020
MB Sample Id: 7707671-1-BLK — LCS Sample Id: 7707671-1-BKS — LCSD Sample Id: 7707671-1-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	250	100	250	100	90-110	0	20	mg/kg	07.21.2020 02:10	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3132249 — Matrix: Solid — Date Prep: 07.20.2020
MB Sample Id: 7707674-1-BLK — LCS Sample Id: 7707674-1-BKS — LCSD Sample Id: 7707674-1-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	275	110	90-110	4	20	mg/kg	07.21.2020 17:15	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3132248 — Matrix: Soil — Date Prep: 07.20.2020
Parent Sample Id: 667516-001 — MS Sample Id: 667516-001 S — MSD Sample Id: 667516-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	414	248	632	88	659	99	90-110	4	20	mg/kg	07.21.2020 14:38	X

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3132248 — Matrix: Soil — Date Prep: 07.20.2020
Parent Sample Id: 667520-002 — MS Sample Id: 667520-002 S — MSD Sample Id: 667520-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	39.3	252	291	100	299	103	90-110	3	20	mg/kg	07.21.2020 15:51	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3132169 — Matrix: Soil — Date Prep: 07.20.2020
Parent Sample Id: 667520-024 — MS Sample Id: 667520-024 S — MSD Sample Id: 667520-024 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	225	249	472	99	476	101	90-110	1	20	mg/kg	07.21.2020 02:29	

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

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QC Summary 667520

Tetra Tech- Midland

Solaris Booster Pump 1003

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3132169 — Matrix: Soil — Date Prep: 07.20.2020
Parent Sample Id: 667520-043 — MS Sample Id: 667520-043 S — MSD Sample Id: 667520-043 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	25.5	249	282	103	282	103	90-110	0	20	mg/kg	07.21.2020 03:55	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3132249 — Matrix: Soil — Date Prep: 07.20.2020
Parent Sample Id: 667520-039 — MS Sample Id: 667520-039 S — MSD Sample Id: 667520-039 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	915	251	1110	78	1130	86	90-110	2	20	mg/kg	07.21.2020 17:31	X

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3132249 — Matrix: Soil — Date Prep: 07.20.2020
Parent Sample Id: 667520-045 — MS Sample Id: 667520-045 S — MSD Sample Id: 667520-045 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	652	252	936	113	870	87	90-110	7	20	mg/kg	07.21.2020 18:44	X

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3132037 — Matrix: Solid — Date Prep: 07.17.2020
MB Sample Id: 7707616-1-BLK — LCS Sample Id: 7707616-1-BKS — LCSD Sample Id: 7707616-1-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	842	84	838	84	70-130	0	20	mg/kg	07.17.2020 13:08	
Diesel Range Organics (DRO)	<50.0	1000	868	87	894	89	70-130	3	20	mg/kg	07.17.2020 13:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		86		88		70-130	%	07.17.2020 13:08
o-Terphenyl	97		89		93		70-130	%	07.17.2020 13:08

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3132042 — Matrix: Solid — Date Prep: 07.17.2020
MB Sample Id: 7707621-1-BLK — LCS Sample Id: 7707621-1-BKS — LCSD Sample Id: 7707621-1-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	920	92	858	86	70-130	7	20	mg/kg	07.17.2020 22:52	
Diesel Range Organics (DRO)	<50.0	1000	877	88	864	86	70-130	1	20	mg/kg	07.17.2020 22:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		101		98		70-130	%	07.17.2020 22:52
o-Terphenyl	94		93		87		70-130	%	07.17.2020 22:52

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 667520

eurofins | Environment Testing Xenco

Tetra Tech- Midland

Solaris Booster Pump 1003

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3132192 — Matrix: Solid — Date Prep: 07.20.2020
MB Sample Id: 7707723-1-BLK — LCS Sample Id: 7707723-1-BKS — LCSD Sample Id: 7707723-1-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	1020	102	941	94	70-130	8	20	mg/kg	07.20.2020 17:36	
Diesel Range Organics (DRO)	<50.0	1000	1140	114	1050	105	70-130	8	20	mg/kg	07.20.2020 17:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	122		141	**	128		70-130	%	07.20.2020 17:36
o-Terphenyl	131	**	127		123		70-130	%	07.20.2020 17:36

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3132037 — Matrix: Solid — Date Prep: 07.17.2020
MB Sample Id: 7707616-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.17.2020 12:46	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3132042 — Matrix: Solid — Date Prep: 07.17.2020
MB Sample Id: 7707621-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.17.2020 22:31	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3132192 — Matrix: Solid — Date Prep: 07.20.2020
MB Sample Id: 7707723-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.20.2020 17:17	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3132037 — Matrix: Soil — Date Prep: 07.17.2020
Parent Sample Id: 667520-001 — MS Sample Id: 667520-001 S — MSD Sample Id: 667520-001 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	807	81	804	81	70-130	0	20	mg/kg	07.17.2020 14:13	
Diesel Range Organics (DRO)	<49.9	997	847	85	841	84	70-130	1	20	mg/kg	07.17.2020 14:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		94		70-130	%	07.17.2020 14:13
o-Terphenyl	95		94		70-130	%	07.17.2020 14:13

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

Final 1.000

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QC Summary 667520

Tetra Tech- Midland

Solaris Booster Pump 1003

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3132042 — Matrix: Soil — Date Prep: 07.17.2020
Parent Sample Id: 667520-021 — MS Sample Id: 667520-021 S — MSD Sample Id: 667520-021 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	881	88	881	88	70-130	0	20	mg/kg	07.17.2020 23:56	
Diesel Range Organics (DRO)	65.8	997	837	77	834	77	70-130	0	20	mg/kg	07.17.2020 23:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		94		70-130	%	07.17.2020 23:56
o-Terphenyl	99		96		70-130	%	07.17.2020 23:56

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3132192 — Matrix: Soil — Date Prep: 07.20.2020
Parent Sample Id: 667586-001 — MS Sample Id: 667586-001 S — MSD Sample Id: 667586-001 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)	89.5	996	777	69	857	77	70-130	10	20	mg/kg	07.20.2020 18:34	X
Diesel Range Organics (DRO)	4880	996	5680	80	5710	83	70-130	1	20	mg/kg	07.20.2020 18:34	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	126		123		70-130	%	07.20.2020 18:34
o-Terphenyl	128		99		70-130	%	07.20.2020 18:34

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3132601 — Matrix: Solid — Date Prep: 07.24.2020
MB Sample Id: 7708071-1-BLK — LCS Sample Id: 7708071-1-BKS — LCSD Sample Id: 7708071-1-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	0.114	114	0.112	112	70-130	2	35	mg/kg	07.25.2020 03:21	
Toluene	<0.00200	0.100	0.110	110	0.107	107	70-130	3	35	mg/kg	07.25.2020 03:21	
Ethylbenzene	<0.00200	0.100	0.104	104	0.102	102	70-130	2	35	mg/kg	07.25.2020 03:21	
m,p-Xylenes	<0.00400	0.200	0.207	104	0.201	101	70-130	3	35	mg/kg	07.25.2020 03:21	
o-Xylene	<0.00200	0.100	0.103	103	0.0996	100	70-130	3	35	mg/kg	07.25.2020 03:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		99		98		70-130	%	07.25.2020 03:21
4-Bromofluorobenzene	102		107		102		70-130	%	07.25.2020 03:21

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 667520

Tetra Tech- Midland

Solaris Booster Pump 1003

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3132604 Matrix: Solid Date Prep: 07.25.2020
MB Sample Id: 7708076-1-BLK LCS Sample Id: 7708076-1-BKS LCSD Sample Id: 7708076-1-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	0.101	101	0.113	113	70-130	11	35	mg/kg	07.25.2020 14:04	
Toluene	<0.00200	0.100	0.0998	100	0.108	108	70-130	8	35	mg/kg	07.25.2020 14:04	
Ethylbenzene	<0.00200	0.100	0.0972	97	0.105	105	70-130	8	35	mg/kg	07.25.2020 14:04	
m,p-Xylenes	<0.00400	0.200	0.189	95	0.204	102	70-130	8	35	mg/kg	07.25.2020 14:04	
o-Xylene	<0.00200	0.100	0.0938	94	0.102	102	70-130	8	35	mg/kg	07.25.2020 14:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		95		96		70-130	%	07.25.2020 14:04
4-Bromofluorobenzene	104		100		108		70-130	%	07.25.2020 14:04

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3132650 Matrix: Solid Date Prep: 07.26.2020
MB Sample Id: 7708102-1-BLK LCS Sample Id: 7708102-1-BKS LCSD Sample Id: 7708102-1-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	0.111	111	0.113	113	70-130	2	35	mg/kg	07.26.2020 12:21	
Toluene	<0.00200	0.100	0.101	101	0.101	101	70-130	0	35	mg/kg	07.26.2020 12:21	
Ethylbenzene	<0.00200	0.100	0.0966	97	0.0958	96	70-130	1	35	mg/kg	07.26.2020 12:21	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.184	92	70-130	1	35	mg/kg	07.26.2020 12:21	
o-Xylene	<0.00200	0.100	0.0925	93	0.0916	92	70-130	1	35	mg/kg	07.26.2020 12:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		101		100		70-130	%	07.26.2020 12:21
4-Bromofluorobenzene	104		100		97		70-130	%	07.26.2020 12:21

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3132601 Matrix: Soil Date Prep: 07.24.2020
Parent Sample Id: 667520-012 MS Sample Id: 667520-012 S MSD Sample Id: 667520-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0649	65	0.0610	61	70-130	6	35	mg/kg	07.25.2020 04:02	X
Toluene	<0.00199	0.0994	0.0433	44	0.0388	39	70-130	11	35	mg/kg	07.25.2020 04:02	X
Ethylbenzene	<0.00199	0.0994	0.0342	34	0.0300	30	70-130	13	35	mg/kg	07.25.2020 04:02	X
m,p-Xylenes	<0.00398	0.199	0.0689	35	0.0603	30	70-130	13	35	mg/kg	07.25.2020 04:02	X
o-Xylene	<0.00199	0.0994	0.0360	36	0.0315	32	70-130	13	35	mg/kg	07.25.2020 04:02	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		106		70-130	%	07.25.2020 04:02
4-Bromofluorobenzene	111		106		70-130	%	07.25.2020 04:02

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 667520

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Tetra Tech- Midland

Solaris Booster Pump 1003

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3132604 Matrix: Soil Date Prep: 07.25.2020
Parent Sample Id: 667520-028 MS Sample Id: 667520-028 S MSD Sample Id: 667520-028 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	0.0992	0.0955	96	0.0910	92	70-130	5	35	mg/kg	07.25.2020 14:46	
Toluene	<0.00198	0.0992	0.0885	89	0.0838	84	70-130	5	35	mg/kg	07.25.2020 14:46	
Ethylbenzene	<0.00198	0.0992	0.0824	83	0.0781	79	70-130	5	35	mg/kg	07.25.2020 14:46	
m,p-Xylenes	<0.00397	0.198	0.157	79	0.150	75	70-130	5	35	mg/kg	07.25.2020 14:46	
o-Xylene	<0.00198	0.0992	0.0775	78	0.0734	74	70-130	5	35	mg/kg	07.25.2020 14:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		99		70-130	%	07.25.2020 14:46
4-Bromofluorobenzene	104		100		70-130	%	07.25.2020 14:46

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3132650 Matrix: Soil Date Prep: 07.26.2020
Parent Sample Id: 667520-054 MS Sample Id: 667520-054 S MSD Sample Id: 667520-054 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0967	97	0.0927	93	70-130	4	35	mg/kg	07.26.2020 13:20	
Toluene	<0.00199	0.0996	0.0884	89	0.0844	85	70-130	5	35	mg/kg	07.26.2020 13:20	
Ethylbenzene	<0.00199	0.0996	0.0838	84	0.0796	80	70-130	5	35	mg/kg	07.26.2020 13:20	
m,p-Xylenes	<0.00398	0.199	0.159	80	0.152	76	70-130	5	35	mg/kg	07.26.2020 13:20	
o-Xylene	<0.00199	0.0996	0.0786	79	0.0746	75	70-130	5	35	mg/kg	07.26.2020 13:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		102		70-130	%	07.26.2020 13:20
4-Bromofluorobenzene	102		98		70-130	%	07.26.2020 13:20

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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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

1067520

Client Name:	Solaris	**Site Manager:**	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy Co, NM	**Project #:**	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Xenco	**Sampler Signature:**	Conner Moehring
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	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	AH #1 (0-1')	7/15/2020			X				X			1	N	X		X												X						
	AH #1 (1-1.5')	7/15/2020			X				X			1	N	X		X												X						
	AH #2 (0-1')	7/15/2020			X				X			1	N	X		X												X						
	AH #2 (1-1.5')	7/15/2020			X				X			1	N	X		X												X						
	AH #3 (0-1')	7/15/2020			X				X			1	N	X		X												X						
	AH #3 (1-1.5')	7/15/2020			X				X			1	N	X		X												X						
	AH #4 (0-1')	7/15/2020			X				X			1	N	X		X												X						
	AH #4 (1-1.5')	7/15/2020			X				X			1	N	X		X												X						
	AH #4 (2-2.5')	7/15/2020			X				X			1	N															X						
	AH #4 (3-3.5')	7/15/2020			X				X			1	N															X						

Relinquished by: Conner Moehring	Date: 7/17/20	Time: 1128	Received by: [illegible]
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 7/17/20 Time: 1128

Date: Time:

Date: Time:

LAB USE ONLY

Sample Temperature
0.7/0.3
-0.4 RB

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

Received by OCD: 3/16/2023 8:02:10 AM
Released to Imaging: 4/19/2023 11:38:08 PM
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Page 118 of 124

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

VL07520

Client Name: Solaris	Site Manager: Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy Co, NM	Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring
Comments:	

LAB # (LAB USE ONLY)	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	Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	AH #4 (4-4.5')	7/15/2020			X				X			1	N																X									
	AH #5 (0-1')	7/15/2020			X				X			1	N	X			X												X									
	~~AH #5 (1-1.5')~~	~~7/15/2020~~			~~X~~				~~X~~			~~1~~	~~N~~	~~X~~			~~X~~												~~X~~									
	AH#6 (0-1')	7/15/2020			X				X			1	N	X			X												X									
	AH#6 (1-1.5')	7/15/2020			X				X			1	N	X			X												X									
	AH#6 (2-2.5')	7/15/2020			X				X			1	N																X									
	AH #7 (0-1')	7/15/2020			X				X			1	N	X			X												X									
	AH #7 (1-1.5')	7/15/2020			X				X			1	N	X			X												X									
	AH #7 (2-2.5')	7/15/2020			X				X			1	N																X									
	AH #8 (0-1')	7/15/2020			X				X			1	N	X			X												X									

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Conner Moehring	7/17/20	1128		7/17	
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature
0.7/0.3

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

Received by OCD: 2/16/2023 8:02:10 AM
Released to Imaging: 4/19/2023 1:58:08 PM
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Received by OCD: 3/16/2023 8:02:10 AM Page 182 of 746

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

UL7520

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy Co, NM	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	AH #8 (1-1.5')	7/15/2020			X			X		1	N	X		X												X							
	AH #8 (2-2.5')	7/15/2020			X			X		1	N															X							
	AH #8 (3-3.5')	7/15/2020			X			X		1	N															X							
	AH #9 (0-1')	7/15/2020			X			X		1	N	X		X												X							
	AH #10 (0-1')	7/15/2020			X			X		1	N	X		X												X							
	AH #11 (0-1')	7/15/2020			X			X		1	N	X		X												X							
	AH #11 (1-1.5')	7/15/2020			X			X		1	N	X		X												X							
	AH #12 (0-1')	7/15/2020			X			X		1	N	X		X												X							
	AH #12 (1-1.5')	7/15/2020			X			X		1	N	X		X												X							
	AH #13 (0-1')	7/15/2020			X			X		1	N	X		X												X							

Relinquished by: Conner Moehring	Date: 7/17/20	Time: 1128	Received by: [signature]
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 7/17 Time:

LAB USE ONLY

Sample Temperature 0.7/0.3

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

1467520

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy Co, NM	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	AH #13 (1-1.5')	7/15/2020			X			X		1	N	X		X												X							
	AH #14 (0-1')	7/15/2020			X			X		1	N	X		X												X							
	AH #14 (1-1.5')	7/15/2020			X			X		1	N	X		X												X							
	AH #14 (2-2.5')	7/15/2020			X			X		1	N															X							
	AH #14 (3-3.5')	7/15/2020			X			X		1	N															X							
	AH #15 (0-1')	7/15/2020			X			X		1	N	X		X												X							
	AH #15 (1-1.5')	7/15/2020			X			X		1	N	X		X												X							
	AH #15 (2-2.5')	7/15/2020			X			X		1	N															X							
	AH #15 (3-3.5')	7/15/2020			X			X		1	N															X							
	AH #16 (0-1')	7/15/2020			X			X		1	N	X		X												X							

Relinquished by: Conner Moehring	Date: 7/17/20	Time: 1128	Received by: BAW
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 7/17 Time:

LAB USE ONLY

Sample Temperature 0.7/0.3

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

160752D

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy Co, NM	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
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
	AH #16 (1-1.5')	7/15/2020			X				X		1	N	X		X												X							
	AH #16 (2-2.5')	7/15/2020			X				X		1	N															X							
	~~Horizontal 1~~	~~7/15/2020~~			~~X~~				~~X~~		~~1~~	~~N~~	~~X~~		~~X~~												~~X~~							
	Horizontal 2	7/15/2020			X				X		1	N	X		X												X							
	Horizontal 3	7/15/2020			X				X		1	N	X		X												X							
	Horizontal 4	7/15/2020			X				X		1	N	X		X												X							
	Horizontal 5	7/15/2020			X				X		1	N	X		X												X							
	Horizontal 6	7/15/2020			X				X		1	N	X		X												X							
	Horizontal 7	7/15/2020			X				X		1	N	X		X												X							
	Horizontal 8	7/15/2020			X				X		1	N	X		X												X							

Relinquished by: Conner Moehring	Date: 7/17/20	Time: 1128	Received by: [signature] Date: 7/17 Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature 0.7/0.3

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

1067520

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy Co, NM	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
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
	Horizontal 9	7/15/2020			X				X			1	N	X		X												X							
	Horizontal 10	7/15/2020			X				X			1	N	X		X												X							

Relinquished by: Conner Moehring	Date: 7/17/20	Time: 1128	Received by: [signature] Date: 7/17 Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature 0.7/0.3

REMARKS:

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

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Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 07.17.2020 11.28.00 AM

Work Order #: 667520

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	
#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: 07.17.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 07.20.2020
Jessica Kramer

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Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested		671718-001		671718-002		671718-003		671718-004		671718-005		671718-006	
	Field Id:	Trench -1 (0-1')		Trench -1 (0-2')		Trench -1 (2-3')		Trench -1 (3-4')		Trench -2 (0-1')		Trench -2 (1-2')	
	Depth:	0-1 ft		0-2 ft		2-3 ft		3-4 ft		0-1 ft		1-2 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00	
Inorganic Anions by EPA 300/300.1	***Extracted:***	09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32	
	Analyzed:	09.03.2020 14:50		09.03.2020 15:07		09.03.2020 15:13		09.03.2020 15:18		09.03.2020 15:24		09.03.2020 15:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1530	49.6	1780	50.0	111	9.92	484	49.7	804	9.98	5520	49.6
TPH By SW8015 Mod	***Extracted:***	09.03.2020 11:14		09.03.2020 11:14		09.03.2020 11:14		09.03.2020 11:14					
	Analyzed:	09.03.2020 13:05		09.03.2020 14:05		09.03.2020 14:25		09.03.2020 14:46					
	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	<49.9	49.9				
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9				
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9				

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	671718-007		671718-008		671718-009		671718-010		671718-011		671718-012	
	Field Id:	Trench -2 (2-3')		Trench -2 (3-4')		Trench -2 (4-5')		Trench -2 (5-6')		Trench -2 (6-7')		Trench -2 (7-8')	
	Depth:	2-3 ft		3-4 ft		4-5 ft		5-6 ft		6-7 ft		7-8 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00	
Inorganic Anions by EPA 300/300.1	***Extracted:***	09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32	
	Analyzed:	09.03.2020 15:46		09.03.2020 15:52		09.03.2020 15:57		09.03.2020 16:03		09.03.2020 16:09		09.03.2020 16:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		3810	49.6	796	10.1	1430	49.7	1730	49.5	598	9.94	73.6	10.1

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Jessica Kramer

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Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	671718-013		671718-014		671718-015		671718-016		671718-017		671718-018	
	Field Id:	Trench -2 (8-9')		Trench -3 (0-1')		Trench -3 (1-2')		Trench -3 (2-3')		Trench -3 (3-4')		Trench -3 (4-5')	
	Depth:	8-9 ft		0-1 ft		1-2 ft		2-3 ft		3-4 ft		4-5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00	
Inorganic Anions by EPA 300/300.1	***Extracted:***	09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:32	
	Analyzed:	09.03.2020 16:31		09.03.2020 16:48		09.03.2020 16:53		09.03.2020 16:59		09.03.2020 17:04		09.03.2020 17:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		150	10.1	3600	50.1	4400	50.4	560	10.1	392	9.94	155	9.94

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Jessica Kramer

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Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested		671718-019		671718-020		671718-021		671718-022		671718-023		671718-024	
	Field Id:	Trench -3 (5-6')		Trench -4 (0-1')		Trench -4 (1-2')		Trench -4 (2-3')		Trench -4 (3-4')		Trench -5 (0-1')	
	Depth:	5-6 ft		0-1 ft		1-2 ft		2-3 ft		3-4 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00	
Inorganic Anions by EPA 300/300.1	*Extracted:*	09.03.2020 13:32		09.03.2020 13:32		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56	
	Analyzed:	09.03.2020 17:16		09.03.2020 17:21		09.03.2020 17:55		09.03.2020 18:12		09.03.2020 18:17		09.03.2020 18:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		175	9.98	6710	49.5	3160	49.7	247	10.0	227	9.94	82.4	9.94
TPH By SW8015 Mod	*Extracted:*			09.03.2020 11:14		09.03.2020 11:14		09.03.2020 11:14		09.03.2020 11:14			
	Analyzed:			09.03.2020 20:30		09.03.2020 15:06		09.03.2020 15:26		09.03.2020 15:46			
	Units/RL:			mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)				<50.0	50.0	<49.8	49.8	<50.2	50.2	<49.8	49.8		
Diesel Range Organics (DRO)				1030	50.0	<49.8	49.8	<50.2	50.2	<49.8	49.8		
Motor Oil Range Hydrocarbons (MRO)				228	50.0	<49.8	49.8	<50.2	50.2	<49.8	49.8		
Total TPH				1260	50.0	<49.8	49.8	<50.2	50.2	<49.8	49.8		

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	671718-025		671718-026		671718-027		671718-028		671718-029		671718-030	
	Field Id:	Trench -5 (1-2')		Trench -6 (0-1')		Trench -6 (1-2')		Trench -6 (2-3')		Trench -6 (3-4')		Trench -7 (0-1')	
	Depth:	1-2 ft		0-1 ft		1-2 ft		2-3 ft		3-4 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00	
Inorganic Anions by EPA 300/300.1	***Extracted:***	09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56	
	Analyzed:	09.03.2020 18:28		09.03.2020 18:45		09.03.2020 18:51		09.03.2020 18:56		09.03.2020 19:02		09.03.2020 19:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		15.6	10.0	5540	50.3	3700	50.2	143	9.92	222	9.98	4050	49.4

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Jessica Kramer

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Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	671718-031		671718-032		671718-033		671718-034		671718-035		671718-036	
	Field Id:	Trench -7 (1-2')		Trench -7 (2-3')		Trench -7 (3-4')		Trench -7 (4-5')		Trench -7 (5-6')		Trench -7 (6-7')	
	Depth:	1-2 ft		2-3 ft		3-4 ft		4-5 ft		5-6 ft		6-7 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00	
Inorganic Anions by EPA 300/300.1	***Extracted:***	09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56	
	Analyzed:	09.03.2020 19:13		09.03.2020 19:30		09.03.2020 19:35		09.03.2020 19:52		09.03.2020 19:58		09.03.2020 20:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		4680	49.7	4300	50.2	4410	50.2	3710	49.8	3640	49.9	2070	49.5

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Jessica Kramer

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Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	671718-037		671718-038		671718-039		671718-040		671718-041		671718-042	
	Field Id:	Trench -7 (7-8')		Trench -7 (8-9')		Trench -7 (9-10')		Trench -8 (0-1')		Trench -8 (1-2')		Trench -8 (2-3')	
	Depth:	7-8 ft		8-9 ft		9-10 ft		0-1 ft		1-2 ft		2-3 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00	
Inorganic Anions by EPA 300/300.1	***Extracted:***	09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 13:56		09.03.2020 14:41		09.03.2020 14:41	
	Analyzed:	09.03.2020 20:09		09.03.2020 20:14		09.03.2020 20:20		09.03.2020 20:25		09.03.2020 20:59		09.03.2020 21:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1670	49.5	289	10.0	328	9.98	3620	50.2	5120	50.3	4340	49.9

BRL - Below Reporting Limit

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

Jessica Kramer

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Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	671718-043		671718-044		671718-045		671718-046		671718-047		671718-048	
	Field Id:	Trench -8 (3-4')		Trench -8 (4-5')		Trench -8 (5-6')		Trench -8 (6-7')		Trench -8 (7-8')		Trench -8 (8-9')	
	Depth:	3-4 ft		4-5 ft		5-6 ft		6-7 ft		7-8 ft		8-9 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00	
Inorganic Anions by EPA 300/300.1	***Extracted:***	09.03.2020 14:41		09.03.2020 14:41		09.03.2020 14:41		09.03.2020 14:41		09.03.2020 14:41		09.03.2020 14:41	
	Analyzed:	09.03.2020 21:21		09.03.2020 21:27		09.03.2020 21:32		09.03.2020 21:49		09.03.2020 21:55		09.03.2020 22:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		4820	49.5	4790	50.4	4550	50.1	3230	50.4	3220	50.2	318	9.94

BRL - Below Reporting Limit

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Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested	*Lab Id:*	671718-049		671718-050		671718-051		671718-052		671718-053		671718-054	
	Field Id:	Trench -8 (9-10')		Trench -9 (0-1')		Trench -9 (1-2')		Trench -10 (0-1')		Trench -10 (1-2')		Trench -11 (0-1')	
	Depth:	9-10 ft		0-1 ft		1-2 ft		0-1 ft		1-2 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00		08.31.2020 00:00	
Inorganic Anions by EPA 300/300.1	*Extracted:*	09.03.2020 14:41		09.03.2020 14:41		09.03.2020 14:41		09.03.2020 14:41		09.03.2020 14:41		09.03.2020 14:41	
	Analyzed:	09.03.2020 22:06		09.03.2020 22:11		09.03.2020 22:17		09.03.2020 22:34		09.03.2020 22:39		09.03.2020 22:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		167	9.98	787	9.96	225	9.98	42.2	10.1	540	10.1	58.7	9.92

BRL - Below Reporting Limit

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

Jessica Kramer

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Certificate of Analysis Summary 671718

Tetra Tech- Midland, Midland, TX

Project Name: Booster Pump 1003

Project Id: 212C-MD-02236
Contact: Mike Carmona
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.02.2020 17:11
Report Date: 09.08.2020 14:09
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	671718-055					
	Field Id:	Trench -11 (1-2')					
	Depth:	1-2 ft					
	Matrix:	SOIL					
	Sampled:	08.31.2020 00:00					
Inorganic Anions by EPA 300/300.1	***Extracted:***	09.03.2020 14:41					
	Analyzed:	09.03.2020 23:02					
	Units/RL:	mg/kg	RL				
Chloride		67.2	9.98				

BRL - Below Reporting Limit

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Jessica Kramer

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Analytical Report 671718

for

Tetra Tech- Midland

Project Manager: Mike Carmona

Booster Pump 1003

212C-MD-02236

09.08.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), 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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09.08.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **671718**
Booster Pump 1003
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) 671718. 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. 671718 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 671718

Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Trench -1 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-001
Trench -1 (0-2')	S	08.31.2020 00:00	0 - 2 ft	671718-002
Trench -1 (2-3')	S	08.31.2020 00:00	2 - 3 ft	671718-003
Trench -1 (3-4')	S	08.31.2020 00:00	3 - 4 ft	671718-004
Trench -2 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-005
Trench -2 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-006
Trench -2 (2-3')	S	08.31.2020 00:00	2 - 3 ft	671718-007
Trench -2 (3-4')	S	08.31.2020 00:00	3 - 4 ft	671718-008
Trench -2 (4-5')	S	08.31.2020 00:00	4 - 5 ft	671718-009
Trench -2 (5-6')	S	08.31.2020 00:00	5 - 6 ft	671718-010
Trench -2 (6-7')	S	08.31.2020 00:00	6 - 7 ft	671718-011
Trench -2 (7-8')	S	08.31.2020 00:00	7 - 8 ft	671718-012
Trench -2 (8-9')	S	08.31.2020 00:00	8 - 9 ft	671718-013
Trench -3 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-014
Trench -3 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-015
Trench -3 (2-3')	S	08.31.2020 00:00	2 - 3 ft	671718-016
Trench -3 (3-4')	S	08.31.2020 00:00	3 - 4 ft	671718-017
Trench -3 (4-5')	S	08.31.2020 00:00	4 - 5 ft	671718-018
Trench -3 (5-6')	S	08.31.2020 00:00	5 - 6 ft	671718-019
Trench -4 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-020
Trench -4 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-021
Trench -4 (2-3')	S	08.31.2020 00:00	2 - 3 ft	671718-022
Trench -4 (3-4')	S	08.31.2020 00:00	3 - 4 ft	671718-023
Trench -5 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-024
Trench -5 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-025
Trench -6 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-026
Trench -6 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-027
Trench -6 (2-3')	S	08.31.2020 00:00	2 - 3 ft	671718-028
Trench -6 (3-4')	S	08.31.2020 00:00	3 - 4 ft	671718-029
Trench -7 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-030
Trench -7 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-031
Trench -7 (2-3')	S	08.31.2020 00:00	2 - 3 ft	671718-032
Trench -7 (3-4')	S	08.31.2020 00:00	3 - 4 ft	671718-033
Trench -7 (4-5')	S	08.31.2020 00:00	4 - 5 ft	671718-034
Trench -7 (5-6')	S	08.31.2020 00:00	5 - 6 ft	671718-035
Trench -7 (6-7')	S	08.31.2020 00:00	6 - 7 ft	671718-036
Trench -7 (7-8')	S	08.31.2020 00:00	7 - 8 ft	671718-037
Trench -7 (8-9')	S	08.31.2020 00:00	8 - 9 ft	671718-038
Trench -7 (9-10')	S	08.31.2020 00:00	9 - 10 ft	671718-039
Trench -8 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-040
Trench -8 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-041
Trench -8 (2-3')	S	08.31.2020 00:00	2 - 3 ft	671718-042
Trench -8 (3-4')	S	08.31.2020 00:00	3 - 4 ft	671718-043

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Sample Cross Reference 671718

Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Trench -8 (4-5')	S	08.31.2020 00:00	4 - 5 ft	671718-044
Trench -8 (5-6')	S	08.31.2020 00:00	5 - 6 ft	671718-045
Trench -8 (6-7')	S	08.31.2020 00:00	6 - 7 ft	671718-046
Trench -8 (7-8')	S	08.31.2020 00:00	7 - 8 ft	671718-047
Trench -8 (8-9')	S	08.31.2020 00:00	8 - 9 ft	671718-048
Trench -8 (9-10')	S	08.31.2020 00:00	9 - 10 ft	671718-049
Trench -9 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-050
Trench -9 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-051
Trench -10 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-052
Trench -10 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-053
Trench -11 (0-1')	S	08.31.2020 00:00	0 - 1 ft	671718-054
Trench -11 (1-2')	S	08.31.2020 00:00	1 - 2 ft	671718-055

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CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Booster Pump 1003

Project ID: *212C-MD-02236*
Work Order Number(s): *671718*

Report Date: *09.08.2020*
Date Received: *09.02.2020*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 671718

Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -1 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-001	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1530**	49.6	mg/kg	09.03.2020 14:50		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.03.2020 11:14	Basis:	Wet Weight
Seq Number:	3136390				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.03.2020 13:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.03.2020 13:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.03.2020 13:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.03.2020 13:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	09.03.2020 13:05	
o-Terphenyl	84-15-1	100	%	70-135	09.03.2020 13:05	

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Certificate of Analytical Results 671718

Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -1 (0-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-002	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 2 ft

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1780**	50.0	mg/kg	09.03.2020 15:07		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.03.2020 11:14	Basis:	Wet Weight
Seq Number:	3136390				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.03.2020 14:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.03.2020 14:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.03.2020 14:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.03.2020 14:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	09.03.2020 14:05	
o-Terphenyl	84-15-1	107	%	70-135	09.03.2020 14:05	

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -1 (2-3')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-003	Date Collected:	08.31.2020 00:00	Sample Depth:	2 - 3 ft

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**111**	9.92	mg/kg	09.03.2020 15:13		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.03.2020 11:14	Basis:	Wet Weight
Seq Number:	3136390				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.03.2020 14:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.03.2020 14:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.03.2020 14:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.03.2020 14:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	09.03.2020 14:25	
o-Terphenyl	84-15-1	109	%	70-135	09.03.2020 14:25	

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Certificate of Analytical Results 671718

Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -1 (3-4')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-004	Date Collected:	08.31.2020 00:00	Sample Depth:	3 - 4 ft

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**484**	49.7	mg/kg	09.03.2020 15:18		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.03.2020 11:14	Basis:	Wet Weight
Seq Number:	3136390				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.03.2020 14:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.03.2020 14:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.03.2020 14:46	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.03.2020 14:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	09.03.2020 14:46	
o-Terphenyl	84-15-1	107	%	70-135	09.03.2020 14:46	

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Certificate of Analytical Results 671718

Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -2 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-005	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**804**	9.98	mg/kg	09.03.2020 15:24		1

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Certificate of Analytical Results 671718

Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -2 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-006	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5520**	49.6	mg/kg	09.03.2020 15:41		5

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Certificate of Analytical Results 671718

Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -2 (2-3')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-007	Date Collected:	08.31.2020 00:00	Sample Depth:	2 - 3 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3810**	49.6	mg/kg	09.03.2020 15:46		5

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Booster Pump 1003

Sample Id:	**Trench -2 (3-4')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-008	Date Collected:	08.31.2020 00:00	Sample Depth:	3 - 4 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**796**	10.1	mg/kg	09.03.2020 15:52		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -2 (4-5')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-009	Date Collected:	08.31.2020 00:00	Sample Depth:	4 - 5 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1430**	49.7	mg/kg	09.03.2020 15:57		5

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Booster Pump 1003

Sample Id:	**Trench -2 (5-6')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-010	Date Collected:	08.31.2020 00:00	Sample Depth:	5 - 6 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1730**	49.5	mg/kg	09.03.2020 16:03		5

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Booster Pump 1003

Sample Id:	**Trench -2 (6-7')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-011	Date Collected:	08.31.2020 00:00	Sample Depth:	6 - 7 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**598**	9.94	mg/kg	09.03.2020 16:09		1

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Booster Pump 1003

Sample Id:	**Trench -2 (7-8')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-012	Date Collected:	08.31.2020 00:00	Sample Depth:	7 - 8 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**73.6**	10.1	mg/kg	09.03.2020 16:25		1

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Booster Pump 1003

Sample Id:	**Trench -2 (8-9')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-013	Date Collected:	08.31.2020 00:00	Sample Depth:	8 - 9 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**150**	10.1	mg/kg	09.03.2020 16:31		1

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Booster Pump 1003

Sample Id:	**Trench -3 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-014	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3600**	50.1	mg/kg	09.03.2020 16:48		5

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Booster Pump 1003

Sample Id:	**Trench -3 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-015	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4400**	50.4	mg/kg	09.03.2020 16:53		5

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Booster Pump 1003

Sample Id:	**Trench -3 (2-3')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-016	Date Collected:	08.31.2020 00:00	Sample Depth:	2 - 3 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**560**	10.1	mg/kg	09.03.2020 16:59		1

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Booster Pump 1003

Sample Id:	**Trench -3 (3-4')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-017	Date Collected:	08.31.2020 00:00	Sample Depth:	3 - 4 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**392**	9.94	mg/kg	09.03.2020 17:04		1

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Booster Pump 1003

Sample Id:	**Trench -3 (4-5')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-018	Date Collected:	08.31.2020 00:00	Sample Depth:	4 - 5 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**155**	9.94	mg/kg	09.03.2020 17:10		1

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Booster Pump 1003

Sample Id:	**Trench -3 (5-6')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-019	Date Collected:	08.31.2020 00:00	Sample Depth:	5 - 6 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**175**	9.98	mg/kg	09.03.2020 17:16		1

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Booster Pump 1003

Sample Id:	**Trench -4 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-020	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:32	Basis:	Wet Weight
Seq Number:	3136405				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6710**	49.5	mg/kg	09.03.2020 17:21		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.03.2020 11:14	Basis:	Wet Weight
Seq Number:	3136390				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.03.2020 20:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	**1030**	50.0	mg/kg	09.03.2020 20:30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**228**	50.0	mg/kg	09.03.2020 20:30		1
Total TPH	PHC635	**1260**	50.0	mg/kg	09.03.2020 20:30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	09.03.2020 20:30	
o-Terphenyl	84-15-1	117	%	70-135	09.03.2020 20:30	

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Booster Pump 1003

Sample Id:	**Trench -4 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-021	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3160**	49.7	mg/kg	09.03.2020 17:55		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.03.2020 11:14	Basis:	Wet Weight
Seq Number:	3136390				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.03.2020 15:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.03.2020 15:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.03.2020 15:06	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.03.2020 15:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	09.03.2020 15:06	
o-Terphenyl	84-15-1	107	%	70-135	09.03.2020 15:06	

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -4 (2-3')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-022	Date Collected:	08.31.2020 00:00	Sample Depth:	2 - 3 ft

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**247**	10.0	mg/kg	09.03.2020 18:12		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.03.2020 11:14	Basis:	Wet Weight
Seq Number:	3136390				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	09.03.2020 15:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	09.03.2020 15:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	09.03.2020 15:26	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	09.03.2020 15:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	09.03.2020 15:26	
o-Terphenyl	84-15-1	112	%	70-135	09.03.2020 15:26	

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Booster Pump 1003

Sample Id:	**Trench -4 (3-4')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-023	Date Collected:	08.31.2020 00:00	Sample Depth:	3 - 4 ft

Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**227**	9.94	mg/kg	09.03.2020 18:17		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.03.2020 11:14	Basis:	Wet Weight
Seq Number:	3136390				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.03.2020 15:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.03.2020 15:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.03.2020 15:46	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.03.2020 15:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	09.03.2020 15:46	
o-Terphenyl	84-15-1	109	%	70-135	09.03.2020 15:46	

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -5 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-024	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**82.4**	9.94	mg/kg	09.03.2020 18:23		1

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Booster Pump 1003

Sample Id:	**Trench -5 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-025	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.6**	10.0	mg/kg	09.03.2020 18:28		1

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Booster Pump 1003

Sample Id:	**Trench -6 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-026	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5540**	50.3	mg/kg	09.03.2020 18:45		5

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Booster Pump 1003

Sample Id:	**Trench -6 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-027	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3700**	50.2	mg/kg	09.03.2020 18:51		5

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Booster Pump 1003

Sample Id:	**Trench -6 (2-3')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-028	Date Collected:	08.31.2020 00:00	Sample Depth:	2 - 3 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**143**	9.92	mg/kg	09.03.2020 18:56		1

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Booster Pump 1003

Sample Id:	**Trench -6 (3-4')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-029	Date Collected:	08.31.2020 00:00	Sample Depth:	3 - 4 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**222**	9.98	mg/kg	09.03.2020 19:02		1

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Booster Pump 1003

Sample Id:	**Trench -7 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-030	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4050**	49.4	mg/kg	09.03.2020 19:07		5

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Booster Pump 1003

Sample Id:	**Trench -7 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-031	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4680**	49.7	mg/kg	09.03.2020 19:13		5

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Booster Pump 1003

Sample Id:	**Trench -7 (2-3')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-032	Date Collected:	08.31.2020 00:00	Sample Depth:	2 - 3 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4300**	50.2	mg/kg	09.03.2020 19:30		5

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Booster Pump 1003

Sample Id:	**Trench -7 (3-4')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-033	Date Collected:	08.31.2020 00:00	Sample Depth:	3 - 4 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4410**	50.2	mg/kg	09.03.2020 19:35		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -7 (4-5')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-034	Date Collected:	08.31.2020 00:00	Sample Depth:	4 - 5 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3710**	49.8	mg/kg	09.03.2020 19:52		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -7 (5-6')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-035	Date Collected:	08.31.2020 00:00	Sample Depth:	5 - 6 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3640**	49.9	mg/kg	09.03.2020 19:58		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -7 (6-7')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-036	Date Collected:	08.31.2020 00:00	Sample Depth:	6 - 7 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2070**	49.5	mg/kg	09.03.2020 20:03		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -7 (7-8')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-037	Date Collected:	08.31.2020 00:00	Sample Depth:	7 - 8 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1670**	49.5	mg/kg	09.03.2020 20:09		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -7 (8-9')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-038	Date Collected:	08.31.2020 00:00	Sample Depth:	8 - 9 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**289**	10.0	mg/kg	09.03.2020 20:14		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -7 (9-10')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-039	Date Collected:	08.31.2020 00:00	Sample Depth:	9 - 10 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**328**	9.98	mg/kg	09.03.2020 20:20		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-040	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 13:56	Basis:	Wet Weight
Seq Number:	3136410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3620**	50.2	mg/kg	09.03.2020 20:25		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-041	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5120**	50.3	mg/kg	09.03.2020 20:59		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (2-3')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-042	Date Collected:	08.31.2020 00:00	Sample Depth:	2 - 3 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4340**	49.9	mg/kg	09.03.2020 21:16		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (3-4')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-043	Date Collected:	08.31.2020 00:00	Sample Depth:	3 - 4 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4820**	49.5	mg/kg	09.03.2020 21:21		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (4-5')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-044	Date Collected:	08.31.2020 00:00	Sample Depth:	4 - 5 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4790**	50.4	mg/kg	09.03.2020 21:27		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (5-6')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-045	Date Collected:	08.31.2020 00:00	Sample Depth:	5 - 6 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4550**	50.1	mg/kg	09.03.2020 21:32		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (6-7')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-046	Date Collected:	08.31.2020 00:00	Sample Depth:	6 - 7 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3230**	50.4	mg/kg	09.03.2020 21:49		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (7-8')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-047	Date Collected:	08.31.2020 00:00	Sample Depth:	7 - 8 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3220**	50.2	mg/kg	09.03.2020 21:55		5

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (8-9')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-048	Date Collected:	08.31.2020 00:00	Sample Depth:	8 - 9 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**318**	9.94	mg/kg	09.03.2020 22:00		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -8 (9-10')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-049	Date Collected:	08.31.2020 00:00	Sample Depth:	9 - 10 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**167**	9.98	mg/kg	09.03.2020 22:06		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -9 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-050	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**787**	9.96	mg/kg	09.03.2020 22:11		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -9 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-051	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**225**	9.98	mg/kg	09.03.2020 22:17		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -10 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-052	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**42.2**	10.1	mg/kg	09.03.2020 22:34		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -10 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-053	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**540**	10.1	mg/kg	09.03.2020 22:39		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -11 (0-1')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-054	Date Collected:	08.31.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**58.7**	9.92	mg/kg	09.03.2020 22:56		1

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Tetra Tech- Midland, Midland, TX

Booster Pump 1003

Sample Id:	**Trench -11 (1-2')**	Matrix:	Soil	Date Received:	09.02.2020 17:11
Lab Sample Id:	671718-055	Date Collected:	08.31.2020 00:00	Sample Depth:	1 - 2 ft
Analytical Method:	Inorganic Anions by EPA 300/300.1			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.03.2020 14:41	Basis:	Wet Weight
Seq Number:	3136411				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**67.2**	9.98	mg/kg	09.03.2020 23:02		1

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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

QC Summary 671718

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Tetra Tech- Midland

Booster Pump 1003

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3136405 — Matrix: Solid — Date Prep: 09.03.2020
MB Sample Id: 7710765-1-BLK — LCS Sample Id: 7710765-1-BKS — LCSD Sample Id: 7710765-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	265	106	268	107	90-110	1	20	mg/kg	09.03.2020 14:39	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3136410 — Matrix: Solid — Date Prep: 09.03.2020
MB Sample Id: 7710766-1-BLK — LCS Sample Id: 7710766-1-BKS — LCSD Sample Id: 7710766-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	266	106	269	108	90-110	1	20	mg/kg	09.03.2020 17:44	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3136411 — Matrix: Solid — Date Prep: 09.03.2020
MB Sample Id: 7710781-1-BLK — LCS Sample Id: 7710781-1-BKS — LCSD Sample Id: 7710781-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	266	106	269	108	90-110	1	20	mg/kg	09.03.2020 20:48	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3136405 — Matrix: Soil — Date Prep: 09.03.2020
Parent Sample Id: 671718-001 — MS Sample Id: 671718-001 S — MSD Sample Id: 671718-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1530	200	1730	100	1740	105	90-110	1	20	mg/kg	09.03.2020 14:56	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3136405 — Matrix: Soil — Date Prep: 09.03.2020
Parent Sample Id: 671718-011 — MS Sample Id: 671718-011 S — MSD Sample Id: 671718-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	598	200	801	102	801	102	90-110	0	20	mg/kg	09.03.2020 16:14	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3136410 — Matrix: Soil — Date Prep: 09.03.2020
Parent Sample Id: 671718-021 — MS Sample Id: 671718-021 S — MSD Sample Id: 671718-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3160	202	3380	109	3370	104	90-110	0	20	mg/kg	09.03.2020 18:00	

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 671718

Tetra Tech- Midland

Booster Pump 1003

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3136410 — Matrix: Soil — Date Prep: 09.03.2020
Parent Sample Id: 671718-031 — MS Sample Id: 671718-031 S — MSD Sample Id: 671718-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4680	201	4880	100	4870	95	90-110	0	20	mg/kg	09.03.2020 19:18	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3136411 — Matrix: Soil — Date Prep: 09.03.2020
Parent Sample Id: 671718-041 — MS Sample Id: 671718-041 S — MSD Sample Id: 671718-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5120	198	5320	101	5320	100	90-110	0	20	mg/kg	09.03.2020 21:05	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3136411 — Matrix: Soil — Date Prep: 09.03.2020
Parent Sample Id: 671718-051 — MS Sample Id: 671718-051 S — MSD Sample Id: 671718-051 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	225	200	429	102	429	102	90-110	0	20	mg/kg	09.03.2020 22:23	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3136390 — Matrix: Solid — Date Prep: 09.03.2020
MB Sample Id: 7710737-1-BLK — LCS Sample Id: 7710737-1-BKS — LCSD Sample Id: 7710737-1-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	875	88	851	85	70-135	3	35	mg/kg	09.03.2020 12:24	
Diesel Range Organics (DRO)	<50.0	1000	992	99	954	95	70-135	4	35	mg/kg	09.03.2020 12:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		118		112		70-135	%	09.03.2020 12:24
o-Terphenyl	100		117		111		70-135	%	09.03.2020 12:24

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3136390 — Matrix: Solid — Date Prep: 09.03.2020
MB Sample Id: 7710737-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.03.2020 11:44	

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 671718

Tetra Tech- Midland

Booster Pump 1003

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P

Seq Number: 3136390 Matrix: Soil Date Prep: 09.03.2020

Parent Sample Id: 671718-001 MS Sample Id: 671718-001 S MSD Sample Id: 671718-001 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)	<50.0	1000	892	89	863	86	70-135	3	35	mg/kg	09.03.2020 13:25	
Diesel Range Organics (DRO)	<50.0	1000	1000	100	972	97	70-135	3	35	mg/kg	09.03.2020 13:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		120		70-135	%	09.03.2020 13:25
o-Terphenyl	124		119		70-135	%	09.03.2020 13:25

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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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

671718

Client Name: Solaris	Site Manager: Mike Carmona
Project Name: Booster Pump 1003	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory:	Sampler Signature: John Thurston
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Trench -1 (0-1')	8/31/2020			X			X		1	N			X												X				
	Trench -1 (1-2')	8/31/2020			X			X		1	N			X												X				
	Trench -1 (2-3')	8/31/2020			X			X		1	N			X												X				
	Trench -1 (3-4')	8/31/2020			X			X		1	N			X												X				
	Trench -2 (0-1')	8/31/2020			X			X		1	N			X												X				
	Trench -2 (1-2')	8/31/2020			X			X		1	N															X				
	Trench -2 (2-3')	8/31/2020			X			X		1	N															X				
	Trench -2 (3-4')	8/31/2020			X			X		1	N															X				
	Trench -2 (4-5')	8/31/2020			X			X		1	N															X				
	Trench -2 (5-6')	8/31/2020			X			X		1	N															X				

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	9/2/20	17:11	Cloe Cuffin	9.2.20	17:11
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
4.8/4.6
T-NM-007
(-0.2)

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

671718

Client Name: Solaris	Site Manager: Mike Carmona
Project Name: Booster Pump 1003	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory:	Sampler Signature: John Thurston
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Trench -2 (6-7')	8/31/2020			X			X		1	N															X					
	Trench -2 (7-8')	8/31/2020			X			X		1	N															X					
	Trench -2 (8-9')	8/31/2020			X			X		1	N															X					
	Trench -3 (0-1')	8/31/2020			X			X		1	N															X					
	Trench -3 (1-2')	8/31/2020			X			X		1	N															X					
	Trench -3 (2-3')	8/31/2020			X			X		1	N															X					
	Trench -3 (3-4')	8/31/2020			X			X		1	N															X					
	Trench -3 (4-5')	8/31/2020			X			X		1	N															X					
	Trench -3 (5-6')	8/31/2020			X			X		1	N															X					
	Trench -4 (0-1')	8/31/2020			X			X		1	N			X												X					

Relinquished by:	Date: 9/2/20	Time: 17:11	Received by: Cloe Cuffin
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 9.2.20 Time: 17:11

LAB USE ONLY

Sample Temperature: 4.8/4.6

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

671718

Client Name: Solaris	Site Manager: Mike Carmona
Project Name: Booster Pump 1003	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory:	Sampler Signature: John Thurston
Comments:	

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	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 / 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
	Trench -4 (1-2')	8/31/2020			X			X		1	N			X												X							
	Trench -4 (2-3')	8/31/2020			X			X		1	N			X												X							
	Trench -4 (3-4')	8/31/2020			X			X		1	N			X												X							
	Trench -5 (0-1')	8/31/2020			X			X		1	N			X												X							
	Trench -5 (1-2')	8/31/2020			X			X		1	N															X							
	Trench -6 (0-1')	8/31/2020			X			X		1	N															X							
	Trench -6 (1-2')	8/31/2020			X			X		1	N															X							
	Trench -6 (2-3')	8/31/2020			X			X		1	N															X							
	Trench -6 (3-4')	8/31/2020			X			X		1	N															X							
	Trench -7 (0-1')	8/31/2020			X			X		1	N															X							

Relinquished by:	Date: 9/2/20	Time: 17:11	Received by: Cloe Cuffaro
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 9.2.20 Time: 17:11

LAB USE ONLY

Sample Temperature: 4.8/4.6

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

671718

Client Name: Solaris	Site Manager: Mike Carmona
Project Name: Booster Pump 1003	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory:	Sampler Signature: John Thurston
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	Trench -7 (1-2')	8/31/2020			X			X		1	N														X								
	Trench -7 (2-3')	8/31/2020			X			X		1	N														X								
	Trench -7 (3-4')	8/31/2020			X			X		1	N														X								
	Trench -7 (4-5')	8/31/2020			X			X		1	N														X								
	Trench -7 (5-6')	8/31/2020			X			X		1	N														X								
	Trench -7 (6-7')	8/31/2020			X			X		1	N														X								
	Trench -7 (7-8')	8/31/2020			X			X		1	N														X								
	Trench -7 (8-9')	8/31/2020			X			X		1	N														X								
	Trench -7 (9-10')	8/31/2020			X			X		1	N														X								
	Trench -8 (0-1')	8/31/2020			X			X		1	N														X								

Relinquished by:	Date: 9/2/20	Time: 17:11	Received by: Cloe Clifton 9-2-20 17:11
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature: 4.8/4.6

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

671718

Client Name: Solaris	Site Manager: Mike Carmona
Project Name: Booster Pump 1003	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory:	Sampler Signature: John Thurston
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	TIME	MATRIX WATER	SOIL	PRESERVATIVE METHOD HCL	HNO_3	ICE	None	# CONTAINERS	FILTERED (Y/N)
	Trench -8 (1-2')	8/31/2020			X			X		1	N
	Trench -8 (2-3')	8/31/2020			X			X		1	N
	Trench -8 (3-4')	8/31/2020			X			X		1	N
	Trench -8 (4-5')	8/31/2020			X			X		1	N
	Trench -8 (5-6')	8/31/2020			X			X		1	N
	Trench -8 (6-7')	8/31/2020			X			X		1	N
	Trench -8 (7-8')	8/31/2020			X			X		1	N
	Trench -8 (8-9')	8/31/2020			X			X		1	N
	Trench -8 (9-10')	8/31/2020			X			X		1	N
	Trench -9 (0-1')	8/31/2020			X			X		1	N

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Date: 9/2/20 Time: 17:11
Received by: Cloe Clifton Date: 9-2-20 Time: 17:11

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

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

LAB USE ONLY
Sample Temperature
4.8/4.6

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

671718

Client Name: Solaris	Site Manager: Mike Carmona
Project Name: Booster Pump 1003	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory:	Sampler Signature: John Thurston
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	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 / 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
	Trench -9 (1-2')	8/31/2020			X			X		1	N															X				
	Trench -10 (0-1')	8/31/2020			X			X		1	N															X				
	Trench -10 (1-2')	8/31/2020			X			X		1	N															X				
	Trench -11 (0-1')	8/31/2020			X			X		1	N															X				
	Trench -11 (1-2')	8/31/2020			X			X		1	N															X				

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Relinquished by:	Date:	Time:	Received by:

Received by: Clue Clifton	Date: 9-2-20	Time: 17:11	
Received by:	Date:	Time:	
Received by:	Date:	Time:	

LAB USE ONLY

Sample Temperature: 4.8/4.6

REMARKS:

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-6142-1
Laboratory Sample Delivery Group: 212C-MD-02236
Client Project/Site: Booster Pump 1003

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

Attn: Brittany Long

JKramer

Authorized for release by:
9/20/2021 7:57:47 PM

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

LINKS

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Have a Question? Ask The Expert

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

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

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Laboratory Job ID: 880-6142-1
SDG: 212C-MD-02236

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-6142-1
Project/Site: Booster Pump 1003 SDG: 212C-MD-02236

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Job ID: 880-6142-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-6142-1

Receipt
The samples were received on 9/15/2021 10:37 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 5.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7928 and analytical batch 880-7937 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-11 (1.5') (880-6142-1), BH-12 (4') (880-6142-4), SW-21 (880-6142-7) and (MB 880-7933/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC
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: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Client Sample ID: BH-11 (1.5')

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		09/15/21 11:34	09/16/21 05:18	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		09/15/21 11:34	09/16/21 05:18	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		09/15/21 11:34	09/16/21 05:18	1
m-Xylene & p-Xylene	<0.00397	U F1	0.00397		mg/Kg		09/15/21 11:34	09/16/21 05:18	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		09/15/21 11:34	09/16/21 05:18	1
Xylenes, Total	<0.00397	U F1	0.00397		mg/Kg		09/15/21 11:34	09/16/21 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/15/21 11:34*	*09/16/21 05:18*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/15/21 11:34*	*09/16/21 05:18*	*1*

Method: 8015B NM - Diesel 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		09/15/21 11:57	09/16/21 00:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 00:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*09/15/21 11:57*	*09/16/21 00:12*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*09/15/21 11:57*	*09/16/21 00:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.4**		4.95		mg/Kg			09/18/21 00:50	1

Client Sample ID: SW-17

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-2
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		09/15/21 11:34	09/16/21 05:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/21 11:34	09/16/21 05:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/21 11:34	09/16/21 05:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/21 11:34	09/16/21 05:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/21 11:34	09/16/21 05:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/21 11:34	09/16/21 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*09/15/21 11:34*	*09/16/21 05:39*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/15/21 11:34*	*09/16/21 05:39*	*1*

Method: 8015B 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		09/15/21 11:57	09/16/21 00:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/15/21 11:57	09/16/21 00:33	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/15/21 11:57	09/16/21 00:33	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Client Sample ID: SW-17

Lab Sample ID: 880-6142-2
Date Collected: 09/15/21 00:00
Matrix: Solid
Date Received: 09/15/21 10:37

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*108*		*70 - 130*	*09/15/21 11:57*	*09/16/21 00:33*	*1*
o-Terphenyl	*122*		*70 - 130*	*09/15/21 11:57*	*09/16/21 00:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.2**		5.04		mg/Kg			09/18/21 01:07	1

Client Sample ID: SW-18

Lab Sample ID: 880-6142-3
Date Collected: 09/15/21 00:00
Matrix: Solid
Date Received: 09/15/21 10:37

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		09/15/21 11:34	09/16/21 05:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/15/21 11:34	09/16/21 05:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/15/21 11:34	09/16/21 05:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/15/21 11:34	09/16/21 05:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/15/21 11:34	09/16/21 05:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/15/21 11:34	09/16/21 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*09/15/21 11:34*	*09/16/21 05:59*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/15/21 11:34*	*09/16/21 05:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/15/21 11:57	09/16/21 00:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/15/21 11:57	09/16/21 00:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/15/21 11:57	09/16/21 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*112*		*70 - 130*	*09/15/21 11:57*	*09/16/21 00:54*	*1*
o-Terphenyl	*127*		*70 - 130*	*09/15/21 11:57*	*09/16/21 00:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.6**		4.97		mg/Kg			09/18/21 01:13	1

Client Sample ID: BH-12 (4')

Lab Sample ID: 880-6142-4
Date Collected: 09/15/21 00:00
Matrix: Solid
Date Received: 09/15/21 10:37

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		09/15/21 11:34	09/16/21 06:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 06:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 06:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/15/21 11:34	09/16/21 06:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 06:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/15/21 11:34	09/16/21 06:19	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Client Sample ID: BH-12 (4')

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-4

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/15/21 11:34*	*09/16/21 06:19*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/15/21 11:34*	*09/16/21 06:19*	*1*

Method: 8015B NM - Diesel 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		09/15/21 11:57	09/16/21 01:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 01:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*115*		*70 - 130*	*09/15/21 11:57*	*09/16/21 01:15*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*09/15/21 11:57*	*09/16/21 01:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.2**		4.99		mg/Kg			09/18/21 01:18	1

Client Sample ID: SW-19

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-5

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		09/15/21 11:34	09/16/21 06:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/15/21 11:34	09/16/21 06:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/15/21 11:34	09/16/21 06:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/15/21 11:34	09/16/21 06:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/15/21 11:34	09/16/21 06:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/15/21 11:34	09/16/21 06:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*09/15/21 11:34*	*09/16/21 06:40*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*09/15/21 11:34*	*09/16/21 06:40*	*1*

Method: 8015B NM - Diesel 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		09/15/21 11:57	09/16/21 01:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 01:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*108*		*70 - 130*	*09/15/21 11:57*	*09/16/21 01:36*	*1*
o-Terphenyl	*127*		*70 - 130*	*09/15/21 11:57*	*09/16/21 01:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.9**		5.00		mg/Kg			09/18/21 01:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Client Sample ID: SW-20

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-6
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		09/15/21 11:34	09/16/21 07:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/15/21 11:34	09/16/21 07:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/15/21 11:34	09/16/21 07:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/15/21 11:34	09/16/21 07:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/15/21 11:34	09/16/21 07:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/15/21 11:34	09/16/21 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*09/15/21 11:34*	*09/16/21 07:00*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/15/21 11:34*	*09/16/21 07:00*	*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	<49.8	U	49.8		mg/Kg		09/15/21 11:57	09/16/21 01:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/15/21 11:57	09/16/21 01:57	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/15/21 11:57	09/16/21 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/15/21 11:57*	*09/16/21 01:57*	*1*
o-Terphenyl	*124*		*70 - 130*	*09/15/21 11:57*	*09/16/21 01:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.6**		4.96		mg/Kg			09/18/21 01:41	1

Client Sample ID: SW-21

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-7
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		09/15/21 11:34	09/16/21 07:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 07:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 07:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/15/21 11:34	09/16/21 07:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 07:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/15/21 11:34	09/16/21 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*09/15/21 11:34*	*09/16/21 07:21*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/15/21 11:34*	*09/16/21 07:21*	*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	<50.0	U	50.0		mg/Kg		09/15/21 11:57	09/16/21 02:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/15/21 11:57	09/16/21 02:18	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/15/21 11:57	09/16/21 02:18	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Client Sample ID: SW-21

Lab Sample ID: 880-6142-7
Matrix: Solid
Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*09/15/21 11:57*	*09/16/21 02:18*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*09/15/21 11:57*	*09/16/21 02:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.2**		4.95		mg/Kg			09/18/21 01:46	1

Client Sample ID: SW-22

Lab Sample ID: 880-6142-8
Matrix: Solid
Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

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		09/15/21 11:34	09/16/21 07:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 07:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 07:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/21 11:34	09/16/21 07:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 07:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/21 11:34	09/16/21 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/15/21 11:34*	*09/16/21 07:41*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/15/21 11:34*	*09/16/21 07:41*	*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	49.9		mg/Kg		09/15/21 11:57	09/16/21 03:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 03:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*09/15/21 11:57*	*09/16/21 03:00*	*1*
o-Terphenyl	*124*		*70 - 130*	*09/15/21 11:57*	*09/16/21 03:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.3**		4.95		mg/Kg			09/18/21 01:52	1

Client Sample ID: SW-23

Lab Sample ID: 880-6142-9
Matrix: Solid
Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

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		09/15/21 11:34	09/16/21 08:01	1
Toluene	**0.00652**		0.00199		mg/Kg		09/15/21 11:34	09/16/21 08:01	1
Ethylbenzene	**0.00892**		0.00199		mg/Kg		09/15/21 11:34	09/16/21 08:01	1
m-Xylene & p-Xylene	**0.00579**		0.00398		mg/Kg		09/15/21 11:34	09/16/21 08:01	1
o-Xylene	**0.00220**		0.00199		mg/Kg		09/15/21 11:34	09/16/21 08:01	1
Xylenes, Total	**0.00799**		0.00398		mg/Kg		09/15/21 11:34	09/16/21 08:01	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Client Sample ID: SW-23

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-9

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*09/15/21 11:34*	*09/16/21 08:01*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*09/15/21 11:34*	*09/16/21 08:01*	*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	49.9		mg/Kg		09/15/21 11:57	09/16/21 03:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 03:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/15/21 11:57	09/16/21 03:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*109*		*70 - 130*	*09/15/21 11:57*	*09/16/21 03:21*	*1*
o-Terphenyl	*130*		*70 - 130*	*09/15/21 11:57*	*09/16/21 03:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56.6**		5.02		mg/Kg			09/18/21 01:58	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-6142-1	BH-11 (1.5')	106	93
880-6142-1 MS	BH-11 (1.5')	103	87
880-6142-1 MSD	BH-11 (1.5')	113	86
880-6142-2	SW-17	116	101
880-6142-3	SW-18	113	97
880-6142-4	BH-12 (4')	117	99
880-6142-5	SW-19	128	86
880-6142-6	SW-20	115	93
880-6142-7	SW-21	126	102
880-6142-8	SW-22	109	98
880-6142-9	SW-23	99	87
LCS 880-7928/1-A	Lab Control Sample	102	90
LCSD 880-7928/2-A	Lab Control Sample Dup	102	88
MB 880-7925/5-A	Method Blank	126	103
MB 880-7928/5-A	Method Blank	121	82

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-6142-1	BH-11 (1.5')	117	137 S1+
880-6142-2	SW-17	108	122
880-6142-3	SW-18	112	127
880-6142-4	BH-12 (4')	115	135 S1+
880-6142-5	SW-19	108	127
880-6142-6	SW-20	110	124
880-6142-7	SW-21	116	136 S1+
880-6142-8	SW-22	107	124
880-6142-9	SW-23	109	130
880-6143-A-21-D MS	Matrix Spike	108	116
880-6143-A-21-E MSD	Matrix Spike Duplicate	108	115
LCS 880-7933/2-A	Lab Control Sample	114	125
LCSD 880-7933/3-A	Lab Control Sample Dup	117	128
MB 880-7933/1-A	Method Blank	114	137 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7925/5-A
Matrix: Solid
Analysis Batch: 7937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:28	09/15/21 17:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:28	09/15/21 17:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:28	09/15/21 17:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/21 11:28	09/15/21 17:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:28	09/15/21 17:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/21 11:28	09/15/21 17:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*09/15/21 11:28*	*09/15/21 17:15*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/15/21 11:28*	*09/15/21 17:15*	*1*

Lab Sample ID: MB 880-7928/5-A
Matrix: Solid
Analysis Batch: 7937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 04:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 04:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 04:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/21 11:34	09/16/21 04:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/21 11:34	09/16/21 04:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/21 11:34	09/16/21 04:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*09/15/21 11:34*	*09/16/21 04:50*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*09/15/21 11:34*	*09/16/21 04:50*	*1*

Lab Sample ID: LCS 880-7928/1-A
Matrix: Solid
Analysis Batch: 7937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07625		mg/Kg		76	70 - 130
Toluene	0.100	0.09781		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1067		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.1929		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09572		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-7928/2-A
Matrix: Solid
Analysis Batch: 7937

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7928

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07443		mg/Kg		74	70 - 130	2	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

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

Lab Sample ID: LCSD 880-7928/2-A
Matrix: Solid
Analysis Batch: 7937

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7928

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.09399		mg/Kg		94	70 - 130	4	35
Ethylbenzene			0.100	0.1024		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1851		mg/Kg		93	70 - 130	4	35
o-Xylene			0.100	0.09334		mg/Kg		93	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: 880-6142-1 MS
Matrix: Solid
Analysis Batch: 7937

Client Sample ID: BH-11 (1.5')
Prep Type: Total/NA
Prep Batch: 7928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1	0.100	0.05768	F1	mg/Kg		57	70 - 130
Toluene	<0.00198	U F1	0.100	0.06946	F1	mg/Kg		69	70 - 130
Ethylbenzene	<0.00198	U F1	0.100	0.07355		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00397	U F1	0.201	0.1313	F1	mg/Kg		65	70 - 130
o-Xylene	<0.00198	U F1	0.100	0.06553	F1	mg/Kg		65	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 880-6142-1 MSD
Matrix: Solid
Analysis Batch: 7937

Client Sample ID: BH-11 (1.5')
Prep Type: Total/NA
Prep Batch: 7928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.100	0.04427	F1	mg/Kg		44	70 - 130	26	35
Toluene	<0.00198	U F1	0.100	0.06136	F1	mg/Kg		61	70 - 130	12	35
Ethylbenzene	<0.00198	U F1	0.100	0.06845	F1	mg/Kg		68	70 - 130	7	35
m-Xylene & p-Xylene	<0.00397	U F1	0.200	0.1293	F1	mg/Kg		65	70 - 130	2	35
o-Xylene	<0.00198	U F1	0.100	0.06860	F1	mg/Kg		68	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

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

Lab Sample ID: MB 880-7933/1-A
Matrix: Solid
Analysis Batch: 7908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7933

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		09/15/21 11:57	09/15/21 21:22	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

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

Lab Sample ID: MB 880-7933/1-A
Matrix: Solid
Analysis Batch: 7908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/15/21 11:57	09/15/21 21:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/15/21 11:57	09/15/21 21:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*09/15/21 11:57*	*09/15/21 21:22*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*09/15/21 11:57*	*09/15/21 21:22*	*1*

Lab Sample ID: LCS 880-7933/2-A
Matrix: Solid
Analysis Batch: 7908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7933

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	978.3		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1001		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: LCSD 880-7933/3-A
Matrix: Solid
Analysis Batch: 7908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7933

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	908.7		mg/Kg		91	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1045		mg/Kg		104	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: 880-6143-A-21-D MS
Matrix: Solid
Analysis Batch: 7908

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7933

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	945.9		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	997	958.0		mg/Kg		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

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

Lab Sample ID: 880-6143-A-21-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7908 — **Prep Batch: 7933**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	875.9		mg/Kg		88	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	968.4		mg/Kg		97	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7931/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/18/21 00:34	1

Lab Sample ID: LCS 880-7931/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	244.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-7931/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7985

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	244.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-6142-1 MS — **Client Sample ID: BH-11 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7985

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	75.4		248	323.2		mg/Kg		100	90 - 110

Lab Sample ID: 880-6142-1 MSD — **Client Sample ID: BH-11 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7985

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	75.4		248	324.2		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

GC VOA

Prep Batch: 7925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7925/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 7928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6142-1	BH-11 (1.5')	Total/NA	Solid	5035	
880-6142-2	SW-17	Total/NA	Solid	5035	
880-6142-3	SW-18	Total/NA	Solid	5035	
880-6142-4	BH-12 (4')	Total/NA	Solid	5035	
880-6142-5	SW-19	Total/NA	Solid	5035	
880-6142-6	SW-20	Total/NA	Solid	5035	
880-6142-7	SW-21	Total/NA	Solid	5035	
880-6142-8	SW-22	Total/NA	Solid	5035	
880-6142-9	SW-23	Total/NA	Solid	5035	
MB 880-7928/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7928/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7928/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6142-1 MS	BH-11 (1.5')	Total/NA	Solid	5035	
880-6142-1 MSD	BH-11 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 7937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6142-1	BH-11 (1.5')	Total/NA	Solid	8021B	7928
880-6142-2	SW-17	Total/NA	Solid	8021B	7928
880-6142-3	SW-18	Total/NA	Solid	8021B	7928
880-6142-4	BH-12 (4')	Total/NA	Solid	8021B	7928
880-6142-5	SW-19	Total/NA	Solid	8021B	7928
880-6142-6	SW-20	Total/NA	Solid	8021B	7928
880-6142-7	SW-21	Total/NA	Solid	8021B	7928
880-6142-8	SW-22	Total/NA	Solid	8021B	7928
880-6142-9	SW-23	Total/NA	Solid	8021B	7928
MB 880-7925/5-A	Method Blank	Total/NA	Solid	8021B	7925
MB 880-7928/5-A	Method Blank	Total/NA	Solid	8021B	7928
LCS 880-7928/1-A	Lab Control Sample	Total/NA	Solid	8021B	7928
LCSD 880-7928/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7928
880-6142-1 MS	BH-11 (1.5')	Total/NA	Solid	8021B	7928
880-6142-1 MSD	BH-11 (1.5')	Total/NA	Solid	8021B	7928

GC Semi VOA

Analysis Batch: 7908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6142-1	BH-11 (1.5')	Total/NA	Solid	8015B NM	7933
880-6142-2	SW-17	Total/NA	Solid	8015B NM	7933
880-6142-3	SW-18	Total/NA	Solid	8015B NM	7933
880-6142-4	BH-12 (4')	Total/NA	Solid	8015B NM	7933
880-6142-5	SW-19	Total/NA	Solid	8015B NM	7933
880-6142-6	SW-20	Total/NA	Solid	8015B NM	7933
880-6142-7	SW-21	Total/NA	Solid	8015B NM	7933
880-6142-8	SW-22	Total/NA	Solid	8015B NM	7933
880-6142-9	SW-23	Total/NA	Solid	8015B NM	7933
MB 880-7933/1-A	Method Blank	Total/NA	Solid	8015B NM	7933

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

GC Semi VOA (Continued)

Analysis Batch: 7908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-7933/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7933
LCSD 880-7933/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7933
880-6143-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	7933
880-6143-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7933

Prep Batch: 7933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6142-1	BH-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-6142-2	SW-17	Total/NA	Solid	8015NM Prep	
880-6142-3	SW-18	Total/NA	Solid	8015NM Prep	
880-6142-4	BH-12 (4')	Total/NA	Solid	8015NM Prep	
880-6142-5	SW-19	Total/NA	Solid	8015NM Prep	
880-6142-6	SW-20	Total/NA	Solid	8015NM Prep	
880-6142-7	SW-21	Total/NA	Solid	8015NM Prep	
880-6142-8	SW-22	Total/NA	Solid	8015NM Prep	
880-6142-9	SW-23	Total/NA	Solid	8015NM Prep	
MB 880-7933/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7933/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7933/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6143-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6143-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6142-1	BH-11 (1.5')	Soluble	Solid	DI Leach	
880-6142-2	SW-17	Soluble	Solid	DI Leach	
880-6142-3	SW-18	Soluble	Solid	DI Leach	
880-6142-4	BH-12 (4')	Soluble	Solid	DI Leach	
880-6142-5	SW-19	Soluble	Solid	DI Leach	
880-6142-6	SW-20	Soluble	Solid	DI Leach	
880-6142-7	SW-21	Soluble	Solid	DI Leach	
880-6142-8	SW-22	Soluble	Solid	DI Leach	
880-6142-9	SW-23	Soluble	Solid	DI Leach	
MB 880-7931/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7931/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7931/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6142-1 MS	BH-11 (1.5')	Soluble	Solid	DI Leach	
880-6142-1 MSD	BH-11 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 7985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6142-1	BH-11 (1.5')	Soluble	Solid	300.0	7931
880-6142-2	SW-17	Soluble	Solid	300.0	7931
880-6142-3	SW-18	Soluble	Solid	300.0	7931
880-6142-4	BH-12 (4')	Soluble	Solid	300.0	7931
880-6142-5	SW-19	Soluble	Solid	300.0	7931
880-6142-6	SW-20	Soluble	Solid	300.0	7931
880-6142-7	SW-21	Soluble	Solid	300.0	7931
880-6142-8	SW-22	Soluble	Solid	300.0	7931

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

HPLC/IC (Continued)

Analysis Batch: 7985 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6142-9	SW-23	Soluble	Solid	300.0	7931
MB 880-7931/1-A	Method Blank	Soluble	Solid	300.0	7931
LCS 880-7931/2-A	Lab Control Sample	Soluble	Solid	300.0	7931
LCSD 880-7931/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7931
880-6142-1 MS	BH-11 (1.5')	Soluble	Solid	300.0	7931
880-6142-1 MSD	BH-11 (1.5')	Soluble	Solid	300.0	7931

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Client Sample ID: BH-11 (1.5')

Lab Sample ID: 880-6142-1

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	7928	09/15/21 11:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7937	09/16/21 05:18	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7933	09/15/21 11:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7908	09/16/21 00:12	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7931	09/15/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			7985	09/18/21 00:50	CH	XEN MID

Client Sample ID: SW-17

Lab Sample ID: 880-6142-2

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	7928	09/15/21 11:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7937	09/16/21 05:39	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7933	09/15/21 11:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7908	09/16/21 00:33	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7931	09/15/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			7985	09/18/21 01:07	CH	XEN MID

Client Sample ID: SW-18

Lab Sample ID: 880-6142-3

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	7928	09/15/21 11:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7937	09/16/21 05:59	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7933	09/15/21 11:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7908	09/16/21 00:54	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7931	09/15/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			7985	09/18/21 01:13	CH	XEN MID

Client Sample ID: BH-12 (4')

Lab Sample ID: 880-6142-4

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7928	09/15/21 11:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7937	09/16/21 06:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7933	09/15/21 11:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7908	09/16/21 01:15	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7931	09/15/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			7985	09/18/21 01:18	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Client Sample ID: SW-19

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	7928	09/15/21 11:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7937	09/16/21 06:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7933	09/15/21 11:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7908	09/16/21 01:36	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7931	09/15/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			7985	09/18/21 01:24	CH	XEN MID

Client Sample ID: SW-20

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	7928	09/15/21 11:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7937	09/16/21 07:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7933	09/15/21 11:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7908	09/16/21 01:57	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7931	09/15/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			7985	09/18/21 01:41	CH	XEN MID

Client Sample ID: SW-21

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7928	09/15/21 11:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7937	09/16/21 07:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7933	09/15/21 11:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7908	09/16/21 02:18	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7931	09/15/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			7985	09/18/21 01:46	CH	XEN MID

Client Sample ID: SW-22

Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	7928	09/15/21 11:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7937	09/16/21 07:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7933	09/15/21 11:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7908	09/16/21 03:00	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7931	09/15/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			7985	09/18/21 01:52	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Client Sample ID: SW-23
Date Collected: 09/15/21 00:00
Date Received: 09/15/21 10:37

Lab Sample ID: 880-6142-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	7928	09/15/21 11:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7937	09/16/21 08:01	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7933	09/15/21 11:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7908	09/16/21 03:21	AM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	7931	09/15/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			7985	09/18/21 01:58	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Job ID: 880-6142-1
Project/Site: Booster Pump 1003
SDG: 212C-MD-02236

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 880-6142-1
SDG: 212C-MD-02236

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-6142-1	BH-11 (1.5')	Solid	09/15/21 00:00	09/15/21 10:37
880-6142-2	SW-17	Solid	09/15/21 00:00	09/15/21 10:37
880-6142-3	SW-18	Solid	09/15/21 00:00	09/15/21 10:37
880-6142-4	BH-12 (4')	Solid	09/15/21 00:00	09/15/21 10:37
880-6142-5	SW-19	Solid	09/15/21 00:00	09/15/21 10:37
880-6142-6	SW-20	Solid	09/15/21 00:00	09/15/21 10:37
880-6142-7	SW-21	Solid	09/15/21 00:00	09/15/21 10:37
880-6142-8	SW-22	Solid	09/15/21 00:00	09/15/21 10:37
880-6142-9	SW-23	Solid	09/15/21 00:00	09/15/21 10:37

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

880-6142 Chain of Custody

880-6142

9/20/2021

Client Name	Solaris Water
Site Manager	Brittany Long
Project Name	Booster Pump 1003
Project Location (county, state)	Eddy County, New Mexico
Project #:	212C-MD-02236
Invoice to	Tetra Tech, Inc
Receiving Laboratory	Eurofins
Sampler Signature	Ashton Thielke
Comments	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	BH-11 (1 5')	9/14/2021			X			X	1		X		X												X				
	SW-17	9/14/2021			X			X	1		X		X												X				
	SW-18	9/14/2021			X			X	1		X		X												X				
	BH-12 (4')	9/14/2021			X			X	1		X		X												X				
	SW-19	9/14/2021			X			X	1		X		X												X				
	SW-20	9/14/2021			X			X	1		X		X												X				
	SW-21	9/14/2021			X			X	1		X		X												X				
	SW-22	9/14/2021			X			X	1		X		X												X				
	SW-23	9/14/2021			X			X	1		X		X												X				

	Relinquished by	Date	Time	Received by	Date	Time
		9/15/21	1037		9/15/21	1037
	Relinquished by	Date	Time	Received by	Date	Time
	Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY

Sample Temperature 4.7/5.2

REMARKS:

- ☐ RUSH Same Day 24 hr 48 hr (72 hr)
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

ORIGINAL COPY

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Received by OCD: 3/16/2023 8:02:10 AM

Released to Imaging: 4/19/2023 1:58:08 PM

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-6142-1
SDG Number: 212C-MD-02236

Login Number: 6142
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1256-1
Laboratory Sample Delivery Group: Eddy County NM
Client Project/Site: Booster Pump 1003

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

Attn: Brittany Long

JKramer

Authorized for release by:
9/21/2021 3:48:10 PM

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

LINKS

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Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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

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

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Laboratory Job ID: 890-1256-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-1256-1
Project/Site: Booster Pump 1003 SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Job ID: 890-1256-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1256-1

Receipt
The samples were received on 9/16/2021 8:49 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 2.4°C

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

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

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: BH-1 (2)

Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
Sample Depth: 2

Lab Sample ID: 890-1256-1

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		09/17/21 09:00	09/17/21 17:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 17:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 17:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/17/21 09:00	09/17/21 17:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 17:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/17/21 09:00	09/17/21 17:49	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/17/21 09:00	09/17/21 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*09/17/21 09:00*	*09/17/21 17:49*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*09/17/21 09:00*	*09/17/21 17:49*	*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	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 13:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 13:20	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 13:20	1
Total TPH	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*09/17/21 11:27*	*09/17/21 13:20*	*1*
o-Terphenyl	*122*		*70 - 130*	*09/17/21 11:27*	*09/17/21 13:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.6**		5.05		mg/Kg			09/19/21 19:58	1

Client Sample ID: BH-2 (2)

Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
Sample Depth: 2

Lab Sample ID: 890-1256-2

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		09/17/21 09:00	09/17/21 18:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 18:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 18:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 18:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 18:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 18:09	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/17/21 09:00*	*09/17/21 18:09*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*09/17/21 09:00*	*09/17/21 18:09*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: BH-2 (2)

Lab Sample ID: 890-1256-2
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 11:27	09/17/21 14:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 14:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 14:25	1
Total TPH	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*09/17/21 11:27*	*09/17/21 14:25*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/17/21 11:27*	*09/17/21 14:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.0**		4.98		mg/Kg			09/19/21 20:03	1

Client Sample ID: BH-3 (2)

Lab Sample ID: 890-1256-3
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:00	09/17/21 18:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:00	09/17/21 18:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:00	09/17/21 18:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/17/21 09:00	09/17/21 18:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:00	09/17/21 18:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/17/21 09:00	09/17/21 18:30	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/17/21 09:00	09/17/21 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/17/21 09:00*	*09/17/21 18:30*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*09/17/21 09:00*	*09/17/21 18:30*	*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		09/17/21 11:27	09/17/21 14:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 14:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 14:47	1
Total TPH	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*09/17/21 11:27*	*09/17/21 14:47*	*1*
o-Terphenyl	*123*		*70 - 130*	*09/17/21 11:27*	*09/17/21 14:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.59**		5.00		mg/Kg			09/19/21 20:09	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: BH-4 (2)

Lab Sample ID: 890-1256-4
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:00	09/17/21 18:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 18:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 18:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 18:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 18:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 18:50	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*09/17/21 09:00*	*09/17/21 18:50*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*09/17/21 09:00*	*09/17/21 18:50*	*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		09/17/21 11:27	09/17/21 15:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 15:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 15:09	1
Total TPH	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*09/17/21 11:27*	*09/17/21 15:09*	*1*
o-Terphenyl	*123*		*70 - 130*	*09/17/21 11:27*	*09/17/21 15:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.08**		4.99		mg/Kg			09/19/21 20:15	1

Client Sample ID: BH-5 (2)

Lab Sample ID: 890-1256-5
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:00	09/17/21 19:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 19:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 19:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 19:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 19:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 19:10	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*09/17/21 09:00*	*09/17/21 19:10*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*09/17/21 09:00*	*09/17/21 19:10*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: BH-5 (2)

Lab Sample ID: 890-1256-5
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 15:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 15:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 15:30	1
Total TPH	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*09/17/21 11:27*	*09/17/21 15:30*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/17/21 11:27*	*09/17/21 15:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.7**		5.00		mg/Kg			09/19/21 21:00	1

Client Sample ID: SW-1 (2)

Lab Sample ID: 890-1256-6
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:00	09/17/21 19:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 19:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 19:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/17/21 09:00	09/17/21 19:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 19:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/17/21 09:00	09/17/21 19:31	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/17/21 09:00	09/17/21 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*09/17/21 09:00*	*09/17/21 19:31*	*1*
1,4-Difluorobenzene (Surr)	*57*	*S1-*	*70 - 130*	*09/17/21 09:00*	*09/17/21 19:31*	*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	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 15:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 15:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 15:52	1
Total TPH	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*09/17/21 11:27*	*09/17/21 15:52*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/17/21 11:27*	*09/17/21 15:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.6**		4.99		mg/Kg			09/19/21 21:17	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: SW-2 (2)

Lab Sample ID: 890-1256-7
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:00	09/17/21 19:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:00	09/17/21 19:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:00	09/17/21 19:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/17/21 09:00	09/17/21 19:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:00	09/17/21 19:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/17/21 09:00	09/17/21 19:51	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		09/17/21 09:00	09/17/21 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/17/21 09:00*	*09/17/21 19:51*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*09/17/21 09:00*	*09/17/21 19:51*	*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		09/17/21 11:27	09/17/21 16:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 16:14	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 16:14	1
Total TPH	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*09/17/21 11:27*	*09/17/21 16:14*	*1*
o-Terphenyl	*122*		*70 - 130*	*09/17/21 11:27*	*09/17/21 16:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.58**		4.98		mg/Kg			09/19/21 21:22	1

Client Sample ID: SW-3 (2)

Lab Sample ID: 890-1256-8
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:00	09/17/21 20:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/17/21 09:00	09/17/21 20:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/17/21 09:00	09/17/21 20:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/17/21 09:00	09/17/21 20:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/17/21 09:00	09/17/21 20:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/17/21 09:00	09/17/21 20:12	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/17/21 09:00	09/17/21 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*09/17/21 09:00*	*09/17/21 20:12*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*09/17/21 09:00*	*09/17/21 20:12*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: SW-3 (2)

Lab Sample ID: 890-1256-8
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 11:27	09/17/21 16:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 16:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 16:36	1
Total TPH	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*09/17/21 11:27*	*09/17/21 16:36*	*1*
o-Terphenyl	*118*		*70 - 130*	*09/17/21 11:27*	*09/17/21 16:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.12**		4.97		mg/Kg			09/19/21 21:28	1

Client Sample ID: SW-4 (2)

Lab Sample ID: 890-1256-9
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:00	09/17/21 20:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:00	09/17/21 20:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:00	09/17/21 20:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/17/21 09:00	09/17/21 20:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:00	09/17/21 20:32	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/17/21 09:00	09/17/21 20:32	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/17/21 09:00	09/17/21 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*09/17/21 09:00*	*09/17/21 20:32*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*09/17/21 09:00*	*09/17/21 20:32*	*1*

Method: 8015B 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		09/17/21 11:27	09/17/21 16:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 16:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 16:58	1
Total TPH	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/17/21 11:27*	*09/17/21 16:58*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/17/21 11:27*	*09/17/21 16:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.30**		4.95		mg/Kg			09/19/21 21:33	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: SW-5 (2)

Lab Sample ID: 890-1256-10
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:00	09/17/21 20:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 20:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 20:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 20:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/17/21 09:00	09/17/21 20:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 20:52	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/17/21 09:00	09/17/21 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*09/17/21 09:00*	*09/17/21 20:52*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*09/17/21 09:00*	*09/17/21 20:52*	*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		09/17/21 11:27	09/17/21 17:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 17:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 17:21	1
Total TPH	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*09/17/21 11:27*	*09/17/21 17:21*	*1*
o-Terphenyl	*126*		*70 - 130*	*09/17/21 11:27*	*09/17/21 17:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.52**		4.97		mg/Kg			09/19/21 21:50	1

Client Sample ID: SW-6 (2)

Lab Sample ID: 890-1256-11
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:27	09/17/21 13:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/17/21 09:27	09/17/21 13:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/17/21 09:27	09/17/21 13:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/17/21 09:27	09/17/21 13:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/17/21 09:27	09/17/21 13:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/17/21 09:27	09/17/21 13:54	1
Total BTEX	<0.00396	U *1	0.00396		mg/Kg		09/17/21 09:27	09/17/21 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/17/21 09:27*	*09/17/21 13:54*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*09/17/21 09:27*	*09/17/21 13:54*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: SW-6 (2)

Lab Sample ID: 890-1256-11
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 11:27	09/17/21 18:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:05	1
Total TPH	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*09/17/21 11:27*	*09/17/21 18:05*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/17/21 11:27*	*09/17/21 18:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.7**		4.96		mg/Kg			09/19/21 21:56	1

Client Sample ID: SW-7 (2)

Lab Sample ID: 890-1256-12
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:27	09/17/21 14:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/17/21 09:27	09/17/21 14:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/17/21 09:27	09/17/21 14:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/17/21 09:27	09/17/21 14:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/17/21 09:27	09/17/21 14:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/17/21 09:27	09/17/21 14:15	1
Total BTEX	<0.00398	U *1	0.00398		mg/Kg		09/17/21 09:27	09/17/21 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*09/17/21 09:27*	*09/17/21 14:15*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/17/21 09:27*	*09/17/21 14:15*	*1*

Method: 8015B NM - Diesel 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		09/17/21 11:27	09/17/21 18:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:26	1
Total TPH	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/17/21 11:27*	*09/17/21 18:26*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/17/21 11:27*	*09/17/21 18:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.7**		4.99		mg/Kg			09/19/21 22:02	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: SW-8 (2)

Lab Sample ID: 890-1256-13
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:27	09/17/21 14:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/17/21 09:27	09/17/21 14:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/17/21 09:27	09/17/21 14:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/17/21 09:27	09/17/21 14:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/17/21 09:27	09/17/21 14:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/17/21 09:27	09/17/21 14:36	1
Total BTEX	<0.00398	U *1	0.00398		mg/Kg		09/17/21 09:27	09/17/21 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/17/21 09:27*	*09/17/21 14:36*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/17/21 09:27*	*09/17/21 14:36*	*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	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:48	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:48	1
Total TPH	<49.9	U	49.9		mg/Kg		09/17/21 11:27	09/17/21 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/17/21 11:27*	*09/17/21 18:48*	*1*
o-Terphenyl	*117*		*70 - 130*	*09/17/21 11:27*	*09/17/21 18:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.45**		5.00		mg/Kg			09/19/21 22:07	1

Client Sample ID: SW-9 (2)

Lab Sample ID: 890-1256-14
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:27	09/17/21 14:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:27	09/17/21 14:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:27	09/17/21 14:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/17/21 09:27	09/17/21 14:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:27	09/17/21 14:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/17/21 09:27	09/17/21 14:56	1
Total BTEX	<0.00404	U *1	0.00404		mg/Kg		09/17/21 09:27	09/17/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*09/17/21 09:27*	*09/17/21 14:56*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/17/21 09:27*	*09/17/21 14:56*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: SW-9 (2)

Lab Sample ID: 890-1256-14
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 19:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 19:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 19:09	1
Total TPH	<49.8	U	49.8		mg/Kg		09/17/21 11:27	09/17/21 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*09/17/21 11:27*	*09/17/21 19:09*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/17/21 11:27*	*09/17/21 19:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.45**		4.95		mg/Kg			09/19/21 22:13	1

Client Sample ID: SW-10 (2)

Lab Sample ID: 890-1256-15
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
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		09/17/21 09:27	09/17/21 15:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:27	09/17/21 15:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:27	09/17/21 15:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/17/21 09:27	09/17/21 15:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:27	09/17/21 15:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/17/21 09:27	09/17/21 15:17	1
Total BTEX	<0.00401	U *1	0.00401		mg/Kg		09/17/21 09:27	09/17/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/17/21 09:27*	*09/17/21 15:17*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*09/17/21 09:27*	*09/17/21 15:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 19:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 19:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 19:31	1
Total TPH	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*09/17/21 11:27*	*09/17/21 19:31*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/17/21 11:27*	*09/17/21 19:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.8**		5.04		mg/Kg			09/19/21 22:18	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: SW-11 (2)

Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49
Sample Depth: 2

Lab Sample ID: 890-1256-16

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		09/17/21 09:27	09/17/21 15:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:27	09/17/21 15:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:27	09/17/21 15:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/17/21 09:27	09/17/21 15:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/17/21 09:27	09/17/21 15:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/17/21 09:27	09/17/21 15:38	1
Total BTEX	<0.00403	U *1	0.00403		mg/Kg		09/17/21 09:27	09/17/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*09/17/21 09:27*	*09/17/21 15:38*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/17/21 09:27*	*09/17/21 15:38*	*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	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 19:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 19:52	1
Total TPH	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*09/17/21 11:27*	*09/17/21 19:52*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/17/21 11:27*	*09/17/21 19:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.1**		5.00		mg/Kg			09/19/21 22:35	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-6199-A-1-E MSD	Matrix Spike Duplicate	252 S1+	75
880-6199-A-1-F MS	Matrix Spike	296 S1+	72
890-1256-1	BH-1 (2)	115	87
890-1256-2	BH-2 (2)	117	83
890-1256-3	BH-3 (2)	118	83
890-1256-4	BH-4 (2)	127	81
890-1256-5	BH-5 (2)	121	76
890-1256-6	SW-1 (2)	85	57 S1-
890-1256-7	SW-2 (2)	96	72
890-1256-8	SW-3 (2)	126	83
890-1256-9	SW-4 (2)	126	75
890-1256-10	SW-5 (2)	132 S1+	81
890-1256-11	SW-6 (2)	101	126
890-1256-11 MS	SW-6 (2)	100	88
890-1256-11 MSD	SW-6 (2)	97	112
890-1256-12	SW-7 (2)	95	102
890-1256-13	SW-8 (2)	118	103
890-1256-14	SW-9 (2)	115	107
890-1256-15	SW-10 (2)	94	86
890-1256-16	SW-11 (2)	91	107
890-1257-A-1-B MSD	Matrix Spike Duplicate	96	90
LCS 880-8015/1-A	Lab Control Sample	109	88
LCS 880-8016/1-A	Lab Control Sample	111	81
LCS 880-8019/1-A	Lab Control Sample	87	93
LCSD 880-8015/2-A	Lab Control Sample Dup	108	86
LCSD 880-8016/2-A	Lab Control Sample Dup	108	84
LCSD 880-8019/2-A	Lab Control Sample Dup	104	91
MB 880-8015/5-A	Method Blank	109	83
MB 880-8019/5-A	Method Blank	109	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1256-1	BH-1 (2)	116	122
890-1256-1 MS	BH-1 (2)	109	103
890-1256-1 MSD	BH-1 (2)	106	101
890-1256-2	BH-2 (2)	105	108
890-1256-3	BH-3 (2)	118	123
890-1256-4	BH-4 (2)	119	123
890-1256-5	BH-5 (2)	103	106
890-1256-6	SW-1 (2)	103	106
890-1256-7	SW-2 (2)	116	122
890-1256-8	SW-3 (2)	114	118

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1256-1
Project/Site: Booster Pump 1003 SDG: Eddy 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)								
890-1256-9	SW-4 (2)	102	106								
890-1256-10	SW-5 (2)	122	126								
890-1256-11	SW-6 (2)	115	120								
890-1256-12	SW-7 (2)	101	108								
890-1256-13	SW-8 (2)	110	117								
890-1256-14	SW-9 (2)	105	111								
890-1256-15	SW-10 (2)	104	110								
890-1256-16	SW-11 (2)	109	115								
LCS 880-8040/2-A	Lab Control Sample	105	102								
LCSD 880-8040/3-A	Lab Control Sample Dup	121	118								
MB 880-8040/1-A	Method Blank	115	121								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8015/5-A
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8015

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 13:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 13:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 13:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/17/21 09:00	09/17/21 13:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:00	09/17/21 13:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/17/21 09:00	09/17/21 13:01	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/17/21 09:00	09/17/21 13:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/17/21 09:00*	*09/17/21 13:01*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*09/17/21 09:00*	*09/17/21 13:01*	*1*

Lab Sample ID: LCS 880-8015/1-A
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8015

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1008		mg/Kg		101	70 - 130		
Toluene			0.100	0.09571		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.09354		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.1942		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.09669		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-8015/2-A
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8015

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09432		mg/Kg		94	70 - 130	7	35
Toluene			0.100	0.08817		mg/Kg		88	70 - 130	8	35
Ethylbenzene			0.100	0.08889		mg/Kg		89	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1813		mg/Kg		91	70 - 130	7	35
o-Xylene			0.100	0.08977		mg/Kg		90	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 890-1257-A-1-B MSD
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8015

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0992	0.04952		mg/Kg					

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

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

Lab Sample ID: 890-1257-A-1-B MSD
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8015

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	<0.00199	U	0.0992	0.02410		mg/Kg					
Ethylbenzene	<0.00199	U	0.0992	0.01213		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.198	0.03233		mg/Kg					
o-Xylene	<0.00199	U	0.0992	0.006431		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCS 880-8016/1-A
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8016

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08647		mg/Kg		86	70 - 130		
Toluene			0.100	0.08650		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.08666		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1803		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.09009		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: LCSD 880-8016/2-A
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8016

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09419		mg/Kg		94	70 - 130	9	35
Toluene			0.100	0.09331		mg/Kg		93	70 - 130	8	35
Ethylbenzene			0.100	0.09208		mg/Kg		92	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1919		mg/Kg		96	70 - 130	6	35
o-Xylene			0.100	0.09469		mg/Kg		95	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 880-6199-A-1-E MSD
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8016

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0136		0.0990	0.06796		mg/Kg					
Toluene	0.233		0.0990	0.2845		mg/Kg					
Ethylbenzene	0.319		0.0990	0.2977		mg/Kg					
m-Xylene & p-Xylene	0.727		0.198	0.7124		mg/Kg					

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

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

Lab Sample ID: 880-6199-A-1-E MSD
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8016

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	0.372		0.0990	0.3597		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*252*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*

Lab Sample ID: 880-6199-A-1-F MS
Matrix: Solid
Analysis Batch: 8017

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 8016

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*296*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*

Lab Sample ID: MB 880-8019/5-A
Matrix: Solid
Analysis Batch: 8020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:27	09/17/21 13:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:27	09/17/21 13:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:27	09/17/21 13:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/17/21 09:27	09/17/21 13:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/17/21 09:27	09/17/21 13:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/17/21 09:27	09/17/21 13:32	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/17/21 09:27	09/17/21 13:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/17/21 09:27*	*09/17/21 13:32*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/17/21 09:27*	*09/17/21 13:32*	*1*

Lab Sample ID: LCS 880-8019/1-A
Matrix: Solid
Analysis Batch: 8020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07298		mg/Kg		73	70 - 130
Toluene	0.100	0.08886		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08841		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1549		mg/Kg		77	70 - 130
o-Xylene	0.100	0.07345		mg/Kg		73	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-8019/2-A
Matrix: Solid
Analysis Batch: 8020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8019

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09826		mg/Kg		98	70 - 130	30	35
Toluene			0.100	0.1124		mg/Kg		112	70 - 130	23	35
Ethylbenzene			0.100	0.1063		mg/Kg		106	70 - 130	18	35
m-Xylene & p-Xylene			0.200	0.1925		mg/Kg		96	70 - 130	22	35
o-Xylene			0.100	0.08914		mg/Kg		89	70 - 130	19	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 890-1256-11 MSD
Matrix: Solid
Analysis Batch: 8020

Client Sample ID: SW-6 (2)
Prep Type: Total/NA
Prep Batch: 8019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0990	0.1110		mg/Kg					
Toluene	<0.00198	U	0.0990	0.1052		mg/Kg					
Ethylbenzene	<0.00198	U	0.0990	0.1007		mg/Kg					
m-Xylene & p-Xylene	<0.00396	U	0.198	0.1772		mg/Kg					
o-Xylene	<0.00198	U	0.0990	0.08452		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 890-1256-11 MS
Matrix: Solid
Analysis Batch: 8020

Client Sample ID: SW-6 (2)
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

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

Lab Sample ID: MB 880-8040/1-A
Matrix: Solid
Analysis Batch: 8028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8040

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		09/17/21 11:27	09/17/21 12:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 12:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 12:14	1
Total TPH	<50.0	U	50.0		mg/Kg		09/17/21 11:27	09/17/21 12:14	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-8040/1-A
Matrix: Solid
Analysis Batch: 8028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8040

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	09/17/21 11:27	09/17/21 12:14	1
o-Terphenyl	121		70 - 130	09/17/21 11:27	09/17/21 12:14	1

Lab Sample ID: LCS 880-8040/2-A
Matrix: Solid
Analysis Batch: 8028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8040

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	822.6		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	881.8		mg/Kg		88	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-8040/3-A
Matrix: Solid
Analysis Batch: 8028

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8040

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	945.0		mg/Kg		94	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1024		mg/Kg		102	70 - 130	15	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 890-1256-1 MS
Matrix: Solid
Analysis Batch: 8028

Client Sample ID: BH-1 (2)
Prep Type: Total/NA
Prep Batch: 8040

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	936.2		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	997	976.5		mg/Kg		98	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	103		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

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

Lab Sample ID: 890-1256-1 MSD — **Client Sample ID: BH-1 (2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 8028 — **Prep Batch: 8040**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	879.5		mg/Kg		88	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	952.2		mg/Kg		95	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7991/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 8087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/19/21 17:26	1

Lab Sample ID: LCS 880-7991/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 8087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	244.6		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-7991/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 8087

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	245.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-6161-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 8087

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2260		1260	3539		mg/Kg		102	90 - 110

Lab Sample ID: 880-6161-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 8087

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2260		1260	3548		mg/Kg		103	90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-7992/1-A
Matrix: Solid
Analysis Batch: 8088

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			09/19/21 20:43	1

Lab Sample ID: LCS 880-7992/2-A
Matrix: Solid
Analysis Batch: 8088

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	247.2		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-7992/3-A
Matrix: Solid
Analysis Batch: 8088

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	247.2		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-1256-5 MS
Matrix: Solid
Analysis Batch: 8088

Client Sample ID: BH-5 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	21.7		250	269.7		mg/Kg		99	90 - 110		

Lab Sample ID: 890-1256-5 MSD
Matrix: Solid
Analysis Batch: 8088

Client Sample ID: BH-5 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	21.7		250	270.1		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-1256-15 MS
Matrix: Solid
Analysis Batch: 8088

Client Sample ID: SW-10 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	15.8		252	265.9		mg/Kg		99	90 - 110		

Lab Sample ID: 890-1256-15 MSD
Matrix: Solid
Analysis Batch: 8088

Client Sample ID: SW-10 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	15.8		252	266.9		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

GC VOA

Prep Batch: 8015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-1	BH-1 (2)	Total/NA	Solid	5035	
890-1256-2	BH-2 (2)	Total/NA	Solid	5035	
890-1256-3	BH-3 (2)	Total/NA	Solid	5035	
890-1256-4	BH-4 (2)	Total/NA	Solid	5035	
890-1256-5	BH-5 (2)	Total/NA	Solid	5035	
890-1256-6	SW-1 (2)	Total/NA	Solid	5035	
890-1256-7	SW-2 (2)	Total/NA	Solid	5035	
890-1256-8	SW-3 (2)	Total/NA	Solid	5035	
890-1256-9	SW-4 (2)	Total/NA	Solid	5035	
890-1256-10	SW-5 (2)	Total/NA	Solid	5035	
MB 880-8015/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8015/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8015/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1257-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 8016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-8016/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8016/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6199-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
880-6199-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 8017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-1	BH-1 (2)	Total/NA	Solid	8021B	8015
890-1256-2	BH-2 (2)	Total/NA	Solid	8021B	8015
890-1256-3	BH-3 (2)	Total/NA	Solid	8021B	8015
890-1256-4	BH-4 (2)	Total/NA	Solid	8021B	8015
890-1256-5	BH-5 (2)	Total/NA	Solid	8021B	8015
890-1256-6	SW-1 (2)	Total/NA	Solid	8021B	8015
890-1256-7	SW-2 (2)	Total/NA	Solid	8021B	8015
890-1256-8	SW-3 (2)	Total/NA	Solid	8021B	8015
890-1256-9	SW-4 (2)	Total/NA	Solid	8021B	8015
890-1256-10	SW-5 (2)	Total/NA	Solid	8021B	8015
MB 880-8015/5-A	Method Blank	Total/NA	Solid	8021B	8015
LCS 880-8015/1-A	Lab Control Sample	Total/NA	Solid	8021B	8015
LCS 880-8016/1-A	Lab Control Sample	Total/NA	Solid	8021B	8016
LCSD 880-8015/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8015
LCSD 880-8016/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8016
880-6199-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8016
880-6199-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	8016
890-1257-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8015

Prep Batch: 8019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-11	SW-6 (2)	Total/NA	Solid	5035	
890-1256-12	SW-7 (2)	Total/NA	Solid	5035	
890-1256-13	SW-8 (2)	Total/NA	Solid	5035	
890-1256-14	SW-9 (2)	Total/NA	Solid	5035	
890-1256-15	SW-10 (2)	Total/NA	Solid	5035	
890-1256-16	SW-11 (2)	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

GC VOA (Continued)

Prep Batch: 8019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8019/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8019/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8019/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1256-11 MSD	SW-6 (2)	Total/NA	Solid	5035	

Analysis Batch: 8020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-11	SW-6 (2)	Total/NA	Solid	8021B	8019
890-1256-12	SW-7 (2)	Total/NA	Solid	8021B	8019
890-1256-13	SW-8 (2)	Total/NA	Solid	8021B	8019
890-1256-14	SW-9 (2)	Total/NA	Solid	8021B	8019
890-1256-15	SW-10 (2)	Total/NA	Solid	8021B	8019
890-1256-16	SW-11 (2)	Total/NA	Solid	8021B	8019
MB 880-8019/5-A	Method Blank	Total/NA	Solid	8021B	8019
LCS 880-8019/1-A	Lab Control Sample	Total/NA	Solid	8021B	8019
LCSD 880-8019/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8019
890-1256-11 MS	SW-6 (2)	Total/NA	Solid	8021B	
890-1256-11 MSD	SW-6 (2)	Total/NA	Solid	8021B	8019

GC Semi VOA

Analysis Batch: 8028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-1	BH-1 (2)	Total/NA	Solid	8015B NM	8040
890-1256-2	BH-2 (2)	Total/NA	Solid	8015B NM	8040
890-1256-3	BH-3 (2)	Total/NA	Solid	8015B NM	8040
890-1256-4	BH-4 (2)	Total/NA	Solid	8015B NM	8040
890-1256-5	BH-5 (2)	Total/NA	Solid	8015B NM	8040
890-1256-6	SW-1 (2)	Total/NA	Solid	8015B NM	8040
890-1256-7	SW-2 (2)	Total/NA	Solid	8015B NM	8040
890-1256-8	SW-3 (2)	Total/NA	Solid	8015B NM	8040
890-1256-9	SW-4 (2)	Total/NA	Solid	8015B NM	8040
890-1256-10	SW-5 (2)	Total/NA	Solid	8015B NM	8040
890-1256-11	SW-6 (2)	Total/NA	Solid	8015B NM	8040
890-1256-12	SW-7 (2)	Total/NA	Solid	8015B NM	8040
890-1256-13	SW-8 (2)	Total/NA	Solid	8015B NM	8040
890-1256-14	SW-9 (2)	Total/NA	Solid	8015B NM	8040
890-1256-15	SW-10 (2)	Total/NA	Solid	8015B NM	8040
890-1256-16	SW-11 (2)	Total/NA	Solid	8015B NM	8040
MB 880-8040/1-A	Method Blank	Total/NA	Solid	8015B NM	8040
LCS 880-8040/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8040
LCSD 880-8040/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8040
890-1256-1 MS	BH-1 (2)	Total/NA	Solid	8015B NM	8040
890-1256-1 MSD	BH-1 (2)	Total/NA	Solid	8015B NM	8040

Prep Batch: 8040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-1	BH-1 (2)	Total/NA	Solid	8015NM Prep	
890-1256-2	BH-2 (2)	Total/NA	Solid	8015NM Prep	
890-1256-3	BH-3 (2)	Total/NA	Solid	8015NM Prep	
890-1256-4	BH-4 (2)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 8040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-5	BH-5 (2)	Total/NA	Solid	8015NM Prep	
890-1256-6	SW-1 (2)	Total/NA	Solid	8015NM Prep	
890-1256-7	SW-2 (2)	Total/NA	Solid	8015NM Prep	
890-1256-8	SW-3 (2)	Total/NA	Solid	8015NM Prep	
890-1256-9	SW-4 (2)	Total/NA	Solid	8015NM Prep	
890-1256-10	SW-5 (2)	Total/NA	Solid	8015NM Prep	
890-1256-11	SW-6 (2)	Total/NA	Solid	8015NM Prep	
890-1256-12	SW-7 (2)	Total/NA	Solid	8015NM Prep	
890-1256-13	SW-8 (2)	Total/NA	Solid	8015NM Prep	
890-1256-14	SW-9 (2)	Total/NA	Solid	8015NM Prep	
890-1256-15	SW-10 (2)	Total/NA	Solid	8015NM Prep	
890-1256-16	SW-11 (2)	Total/NA	Solid	8015NM Prep	
MB 880-8040/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8040/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8040/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1256-1 MS	BH-1 (2)	Total/NA	Solid	8015NM Prep	
890-1256-1 MSD	BH-1 (2)	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-1	BH-1 (2)	Soluble	Solid	DI Leach	
890-1256-2	BH-2 (2)	Soluble	Solid	DI Leach	
890-1256-3	BH-3 (2)	Soluble	Solid	DI Leach	
890-1256-4	BH-4 (2)	Soluble	Solid	DI Leach	
MB 880-7991/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7991/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7991/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6161-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-6161-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 7992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-5	BH-5 (2)	Soluble	Solid	DI Leach	
890-1256-6	SW-1 (2)	Soluble	Solid	DI Leach	
890-1256-7	SW-2 (2)	Soluble	Solid	DI Leach	
890-1256-8	SW-3 (2)	Soluble	Solid	DI Leach	
890-1256-9	SW-4 (2)	Soluble	Solid	DI Leach	
890-1256-10	SW-5 (2)	Soluble	Solid	DI Leach	
890-1256-11	SW-6 (2)	Soluble	Solid	DI Leach	
890-1256-12	SW-7 (2)	Soluble	Solid	DI Leach	
890-1256-13	SW-8 (2)	Soluble	Solid	DI Leach	
890-1256-14	SW-9 (2)	Soluble	Solid	DI Leach	
890-1256-15	SW-10 (2)	Soluble	Solid	DI Leach	
890-1256-16	SW-11 (2)	Soluble	Solid	DI Leach	
MB 880-7992/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7992/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7992/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1256-5 MS	BH-5 (2)	Soluble	Solid	DI Leach	
890-1256-5 MSD	BH-5 (2)	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 7992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-15 MS	SW-10 (2)	Soluble	Solid	DI Leach	
890-1256-15 MSD	SW-10 (2)	Soluble	Solid	DI Leach	

Analysis Batch: 8087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-1	BH-1 (2)	Soluble	Solid	300.0	7991
890-1256-2	BH-2 (2)	Soluble	Solid	300.0	7991
890-1256-3	BH-3 (2)	Soluble	Solid	300.0	7991
890-1256-4	BH-4 (2)	Soluble	Solid	300.0	7991
MB 880-7991/1-A	Method Blank	Soluble	Solid	300.0	7991
LCS 880-7991/2-A	Lab Control Sample	Soluble	Solid	300.0	7991
LCSD 880-7991/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7991
880-6161-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	7991
880-6161-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7991

Analysis Batch: 8088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1256-5	BH-5 (2)	Soluble	Solid	300.0	7992
890-1256-6	SW-1 (2)	Soluble	Solid	300.0	7992
890-1256-7	SW-2 (2)	Soluble	Solid	300.0	7992
890-1256-8	SW-3 (2)	Soluble	Solid	300.0	7992
890-1256-9	SW-4 (2)	Soluble	Solid	300.0	7992
890-1256-10	SW-5 (2)	Soluble	Solid	300.0	7992
890-1256-11	SW-6 (2)	Soluble	Solid	300.0	7992
890-1256-12	SW-7 (2)	Soluble	Solid	300.0	7992
890-1256-13	SW-8 (2)	Soluble	Solid	300.0	7992
890-1256-14	SW-9 (2)	Soluble	Solid	300.0	7992
890-1256-15	SW-10 (2)	Soluble	Solid	300.0	7992
890-1256-16	SW-11 (2)	Soluble	Solid	300.0	7992
MB 880-7992/1-A	Method Blank	Soluble	Solid	300.0	7992
LCS 880-7992/2-A	Lab Control Sample	Soluble	Solid	300.0	7992
LCSD 880-7992/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7992
890-1256-5 MS	BH-5 (2)	Soluble	Solid	300.0	7992
890-1256-5 MSD	BH-5 (2)	Soluble	Solid	300.0	7992
890-1256-15 MS	SW-10 (2)	Soluble	Solid	300.0	7992
890-1256-15 MSD	SW-10 (2)	Soluble	Solid	300.0	7992

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: BH-1 (2)
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Lab Sample ID: 890-1256-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 17:49	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 13:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7991	09/16/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			8087	09/19/21 19:58	CH	XEN MID

Client Sample ID: BH-2 (2)
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Lab Sample ID: 890-1256-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 18:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 14:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7991	09/16/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			8087	09/19/21 20:03	CH	XEN MID

Client Sample ID: BH-3 (2)
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Lab Sample ID: 890-1256-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 18:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7991	09/16/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			8087	09/19/21 20:09	CH	XEN MID

Client Sample ID: BH-4 (2)
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Lab Sample ID: 890-1256-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 18:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 15:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7991	09/16/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			8087	09/19/21 20:15	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: BH-5 (2)
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Lab Sample ID: 890-1256-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 19:10	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 15:30	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 21:00	CH	XEN MID

Client Sample ID: SW-1 (2)
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Lab Sample ID: 890-1256-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 19:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 15:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 21:17	CH	XEN MID

Client Sample ID: SW-2 (2)
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Lab Sample ID: 890-1256-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 19:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 16:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 21:22	CH	XEN MID

Client Sample ID: SW-3 (2)
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Lab Sample ID: 890-1256-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 20:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 16:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 21:28	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Client Sample ID: SW-4 (2)

Lab Sample ID: 890-1256-9
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 20:32	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 16:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 21:33	CH	XEN MID

Client Sample ID: SW-5 (2)

Lab Sample ID: 890-1256-10
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8015	09/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8017	09/17/21 20:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 17:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 21:50	CH	XEN MID

Client Sample ID: SW-6 (2)

Lab Sample ID: 890-1256-11
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	8019	09/17/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8020	09/17/21 13:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 18:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 21:56	CH	XEN MID

Client Sample ID: SW-7 (2)

Lab Sample ID: 890-1256-12
Matrix: Solid
Date Collected: 09/09/21 00:00
Date Received: 09/16/21 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8019	09/17/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8020	09/17/21 14:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 18:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 22:02	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1256-1
Project/Site: Booster Pump 1003 SDG: Eddy County NM

Client Sample ID: SW-8 (2) Lab Sample ID: 890-1256-13

Date Collected: 09/09/21 00:00 **Matrix: Solid**
Date Received: 09/16/21 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8019	09/17/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8020	09/17/21 14:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 18:48	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 22:07	CH	XEN MID

Client Sample ID: SW-9 (2) Lab Sample ID: 890-1256-14

Date Collected: 09/09/21 00:00 **Matrix: Solid**
Date Received: 09/16/21 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	8019	09/17/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8020	09/17/21 14:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 19:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 22:13	CH	XEN MID

Client Sample ID: SW-10 (2) Lab Sample ID: 890-1256-15

Date Collected: 09/09/21 00:00 **Matrix: Solid**
Date Received: 09/16/21 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8019	09/17/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8020	09/17/21 15:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 19:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 22:18	CH	XEN MID

Client Sample ID: SW-11 (2) Lab Sample ID: 890-1256-16

Date Collected: 09/09/21 00:00 **Matrix: Solid**
Date Received: 09/16/21 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8019	09/17/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8020	09/17/21 15:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8040	09/17/21 11:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8028	09/17/21 19:52	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7992	09/16/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			8088	09/19/21 22:35	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 890-1256-1
Project/Site: Booster Pump 1003 SDG: Eddy 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	T104704400-21-22	06-30-22

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: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1256-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1256-1	BH-1 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-2	BH-2 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-3	BH-3 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-4	BH-4 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-5	BH-5 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-6	SW-1 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-7	SW-2 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-8	SW-3 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-9	SW-4 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-10	SW-5 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-11	SW-6 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-12	SW-7 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-13	SW-8 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-14	SW-9 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-15	SW-10 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2
890-1256-16	SW-11 (2)	Solid	09/09/21 00:00	09/16/21 08:49	2

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

890-1256 Chain of Custody

Client Name:	Solaris	**Site Manager:**	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	**Project #:**	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins 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 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')	9/9/2021			X				X					X		X												X							
	BH-2 (2')	9/9/2021			X				X					X		X												X							
	BH-3 (2')	9/9/2021			X				X					X		X												X							
	BH-4 (2')	9/9/2021			X				X					X		X												X							
	BH-5 (2')	9/9/2021			X				X					X		X												X							
	SW-1 (2')	9/9/2021			X				X					X		X												X							
	SW-2 (2')	9/9/2021			X				X					X		X												X							
	SW-3 (2')	9/9/2021			X				X					X		X												X							
	SW-4 (2')	9/9/2021			X				X					X		X												X							
	SW-5 (2')	9/9/2021			X				X					X		X												X							

Relinquished by: Ezequiel Moreno	Date:	Time:	Received by: Cloe Cuff	Date: 9.16.21	Time: 0849
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
2.4
2.4

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	Solaris	**Site Manager:**	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	**Project #:**	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins Xenco	**Sampler Signature:**	Ezequiel Moreno
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	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	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-6 (2')	9/9/2021			X			X				X			X												X				
	SW-7 (2')	9/9/2021			X			X				X			X												X				
	SW-8 (2')	9/9/2021			X			X				X			X												X				
	SW-9 (2')	9/9/2021			X			X				X			X												X				
	SW-10 (2')	9/9/2021			X			X				X			X												X				
	SW-11 (2')	9/9/2021			X			X				X			X												X				

Relinquished by: Ezequiel Moreno	Date:	Time:	Received by: Cloe Cruz	Date: 9.16.21	Time: 0849
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
2.6
2.4

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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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: 890-409 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1256-1
Address: 1211 W Florida Ave	Due Date Requested: 9/22/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BH-1 (2) (890-1256-1)	9/9/21	Mountain		Solid			X	X	X	1	
BH-2 (2) (890-1256-2)	9/9/21	Mountain		Solid			X	X	X	1	
BH-3 (2) (890-1256-3)	9/9/21	Mountain		Solid			X	X	X	1	
BH-4 (2) (890-1256-4)	9/9/21	Mountain		Solid			X	X	X	1	
BH-5 (2) (890-1256-5)	9/9/21	Mountain		Solid			X	X	X	1	
SW-1 (2) (890-1256-6)	9/9/21	Mountain		Solid			X	X	X	1	
SW-2 (2) (890-1256-7)	9/9/21	Mountain		Solid			X	X	X	1	
SW-3 (2) (890-1256-8)	9/9/21	Mountain		Solid			X	X	X	1	
SW-4 (2) (890-1256-9)	9/9/21	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
Clee Cuff 9.14.21			KRAMER	9/7/21 1115	
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. 3.3/3.8

Ver: 06/08/2021

Received by OCD: 3/16/2023 8:02:19 AM

Released to Imaging: 4/19/2023 1:58:08 PM

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Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-409 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP Texas		Job #: 890-1256-1
Address: 1211 W Florida Ave	Due Date Requested: 9/22/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SW-5 (2) (890-1256-10)	9/9/21	Mountain		Solid			X	X	X	1	
SW-6 (2) (890-1256-11)	9/9/21	Mountain		Solid			X	X	X	1	
SW-7 (2) (890-1256-12)	9/9/21	Mountain		Solid			X	X	X	1	
SW-8 (2) (890-1256-13)	9/9/21	Mountain		Solid			X	X	X	1	
SW-9 (2) (890-1256-14)	9/9/21	Mountain		Solid			X	X	X	1	
SW-10 (2) (890-1256-15)	9/9/21	Mountain		Solid			X	X	X	1	
SW-11 (2) (890-1256-16)	9/9/21	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
Relinquished by: Cloe Cuff 9.16.21	Date/Time:	Company	Received by: P Kramer	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: 06/08/2021

Received by OCD: 3/16/2023 8:02:19 AM

Released to Imaging: 4/19/2023 1:58:08 PM

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1256-1
SDG Number: Eddy County NM

Login Number: 1256
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, 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: 890-1256-1
SDG Number: Eddy County NM

Login Number: 1256
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 09/17/21 11:19 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3/3.8
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").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1360-1
Laboratory Sample Delivery Group: Eddy County
Client Project/Site: Solaris - Booster Pump 1003

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
10/18/2021 4:12:32 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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

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

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Laboratory Job ID: 890-1360-1
SDG: Eddy County

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, 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: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Job ID: 890-1360-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1360-1

Receipt
The samples were received on 10/5/2021 9:25 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 2.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9102 and analytical batch 880-9192 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-6 (4) (890-1360-1), BH-7 (4) (890-1360-2), BH-8 (4) (890-1360-3), BH-9 (4) (890-1360-4), BH-10 (4) (890-1360-5), BH-13 (4) (890-1360-6), BH-14 (4) (890-1360-7), BH-15 (4) (890-1360-8), BH-16 (4) (890-1360-9), BH-17 (4) (890-1360-10), BH-18 (4) (890-1360-11), BH-19 (4) (890-1360-12), BH-20 (2) (890-1360-13), BH-21 (5) (890-1360-14), BH-22 (6) (890-1360-15), BH-23 (6) (890-1360-16), BH-24 (6) (890-1360-17), BH-25 (6) (890-1360-18), BH-26 (8) (890-1360-19) and BH-27 (8) (890-1360-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-9105 and analytical batch 880-9269 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9106 and analytical batch 880-9270 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9140 and analytical batch 880-9171 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9166 and analytical batch 880-9180 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-9134 and analytical batch 880-9274 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-6 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		10/08/21 10:16	10/11/21 16:50	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		10/08/21 10:16	10/11/21 16:50	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		10/08/21 10:16	10/11/21 16:50	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		10/08/21 10:16	10/11/21 16:50	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		10/08/21 10:16	10/11/21 16:50	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		10/08/21 10:16	10/11/21 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*198*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 16:50*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/08/21 10:16*	*10/11/21 16:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

Method: 8015B NM - Diesel 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		10/08/21 16:49	10/10/21 21:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		10/08/21 16:49	10/10/21 21:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/10/21 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/08/21 16:49*	*10/10/21 21:21*	*1*
o-Terphenyl	*120*		*70 - 130*	*10/08/21 16:49*	*10/10/21 21:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.1**		4.98		mg/Kg			10/13/21 09:17	1

Client Sample ID: BH-7 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-2

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		10/08/21 10:16	10/11/21 17:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:16	10/11/21 17:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:16	10/11/21 17:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:16	10/11/21 17:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:16	10/11/21 17:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:16	10/11/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*207*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 17:16*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-7 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*10/08/21 10:16*	*10/11/21 17:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/08/21 16:49	10/10/21 22:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/10/21 22:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/10/21 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/08/21 16:49*	*10/10/21 22:26*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/08/21 16:49*	*10/10/21 22:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.3**		4.95		mg/Kg			10/12/21 08:44	1

Client Sample ID: BH-8 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-3

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		10/08/21 10:16	10/11/21 17:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 17:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 17:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:16	10/11/21 17:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 17:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:16	10/11/21 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*203*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 17:43*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*10/08/21 10:16*	*10/11/21 17:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-8 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/10/21 22:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/10/21 22:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/10/21 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/08/21 16:49*	*10/10/21 22:47*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/08/21 16:49*	*10/10/21 22:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.6**		5.04		mg/Kg			10/12/21 09:13	1

Client Sample ID: BH-9 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-4

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		10/08/21 10:16	10/11/21 18:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/11/21 18:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/11/21 18:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/08/21 10:16	10/11/21 18:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/11/21 18:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/08/21 10:16	10/11/21 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*213*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 18:10*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*10/08/21 10:16*	*10/11/21 18:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/08/21 16:49	10/10/21 23:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/10/21 23:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/10/21 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/08/21 16:49*	*10/10/21 23:08*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/08/21 16:49*	*10/10/21 23:08*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-9 (4)

Lab Sample ID: 890-1360-4
Matrix: Solid

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.1		4.99		mg/Kg			10/12/21 09:20	1

Client Sample ID: BH-10 (4)

Lab Sample ID: 890-1360-5
Matrix: Solid

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

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		10/08/21 10:16	10/11/21 18:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:16	10/11/21 18:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:16	10/11/21 18:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:16	10/11/21 18:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:16	10/11/21 18:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:16	10/11/21 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*181*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 18:36*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/08/21 10:16*	*10/11/21 18:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/10/21 23:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/10/21 23:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/10/21 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/08/21 16:49*	*10/10/21 23:29*	*1*
o-Terphenyl	*126*		*70 - 130*	*10/08/21 16:49*	*10/10/21 23:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.8		4.98		mg/Kg			10/12/21 09:27	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-13 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-6

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		10/08/21 10:16	10/11/21 19:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/11/21 19:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/11/21 19:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/08/21 10:16	10/11/21 19:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/11/21 19:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/08/21 10:16	10/11/21 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*176*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 19:02*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*10/08/21 10:16*	*10/11/21 19:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/10/21 23:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/10/21 23:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/10/21 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/08/21 16:49*	*10/10/21 23:50*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/08/21 16:49*	*10/10/21 23:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.2**		4.95		mg/Kg			10/12/21 09:35	1

Client Sample ID: BH-14 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-7

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		10/08/21 10:16	10/11/21 19:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 19:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 19:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/08/21 10:16	10/11/21 19:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 19:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/08/21 10:16	10/11/21 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*299*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 19:28*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-14 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/08/21 10:16*	*10/11/21 19:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 00:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 00:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/08/21 16:49*	*10/11/21 00:12*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/08/21 16:49*	*10/11/21 00:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.2**		5.02		mg/Kg			10/12/21 09:56	1

Client Sample ID: BH-15 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-8
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		10/08/21 10:16	10/11/21 19:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 19:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 19:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/08/21 10:16	10/11/21 19:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 19:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/08/21 10:16	10/11/21 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 19:54*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*10/08/21 10:16*	*10/11/21 19:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-15 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-8
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	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 00:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 00:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*10/08/21 16:49*	*10/11/21 00:33*	*1*
o-Terphenyl	*116*		*70 - 130*	*10/08/21 16:49*	*10/11/21 00:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.2**		4.98		mg/Kg			10/12/21 10:04	1

Client Sample ID: BH-16 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-9
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		10/08/21 10:16	10/11/21 20:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 20:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 20:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/08/21 10:16	10/11/21 20:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 20:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/08/21 10:16	10/11/21 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 20:21*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/08/21 10:16*	*10/11/21 20:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 00:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 00:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/08/21 16:49*	*10/11/21 00:54*	*1*
o-Terphenyl	*112*		*70 - 130*	*10/08/21 16:49*	*10/11/21 00:54*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-16 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-9
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.0		5.00		mg/Kg			10/12/21 10:11	1

Client Sample ID: BH-17 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-10
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		10/08/21 10:16	10/11/21 20:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/11/21 20:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/11/21 20:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/08/21 10:16	10/11/21 20:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/11/21 20:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/08/21 10:16	10/11/21 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*171*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 20:47*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/08/21 10:16*	*10/11/21 20:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/08/21 16:49	10/11/21 01:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 01:15	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/08/21 16:49*	*10/11/21 01:15*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/08/21 16:49*	*10/11/21 01:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.8		4.97		mg/Kg			10/12/21 10:18	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-18 (4)

Lab Sample ID: 890-1360-11
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 22:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 22:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 22:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/08/21 10:16	10/11/21 22:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:16	10/11/21 22:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/08/21 10:16	10/11/21 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*199*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 22:32*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*10/08/21 10:16*	*10/11/21 22:32*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 01:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 01:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/08/21 16:49*	*10/11/21 01:57*	*1*
o-Terphenyl	*120*		*70 - 130*	*10/08/21 16:49*	*10/11/21 01:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.9**		5.00		mg/Kg			10/12/21 10:25	1

Client Sample ID: BH-19 (4)

Lab Sample ID: 890-1360-12
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 22:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 22:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/08/21 10:16	10/11/21 22:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 22:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/21 10:16	10/11/21 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*198*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 22:58*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-19 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-12

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/08/21 10:16*	*10/11/21 22:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 02:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 02:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*10/08/21 16:49*	*10/11/21 02:18*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/08/21 16:49*	*10/11/21 02:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.1**		4.95		mg/Kg			10/12/21 10:32	1

Client Sample ID: BH-20 (2)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Lab Sample ID: 890-1360-13

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		10/08/21 10:16	10/11/21 23:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 23:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 23:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/08/21 10:16	10/11/21 23:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 23:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/08/21 10:16	10/11/21 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*178*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 23:24*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/08/21 10:16*	*10/11/21 23:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-20 (2)

Lab Sample ID: 890-1360-13
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
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		10/08/21 16:49	10/11/21 02:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 02:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/08/21 16:49*	*10/11/21 02:39*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/08/21 16:49*	*10/11/21 02:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.8**		5.00		mg/Kg			10/12/21 10:54	1

Client Sample ID: BH-21 (5)

Lab Sample ID: 890-1360-14
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 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		10/08/21 10:16	10/11/21 23:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 23:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 23:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:16	10/11/21 23:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 23:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:16	10/11/21 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*200*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/11/21 23:50*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*10/08/21 10:16*	*10/11/21 23:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/08/21 16:49	10/11/21 03:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 03:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/08/21 16:49*	*10/11/21 03:01*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/08/21 16:49*	*10/11/21 03:01*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-21 (5)

Lab Sample ID: 890-1360-14
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.2		5.02		mg/Kg			10/12/21 11:01	1

Client Sample ID: BH-22 (6)

Lab Sample ID: 890-1360-15
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

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		10/08/21 10:16	10/12/21 00:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:16	10/12/21 00:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:16	10/12/21 00:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:16	10/12/21 00:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:16	10/12/21 00:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:16	10/12/21 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*185*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/12/21 00:16*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/08/21 10:16*	*10/12/21 00:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 03:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 03:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/08/21 16:49*	*10/11/21 03:22*	*1*
o-Terphenyl	*124*		*70 - 130*	*10/08/21 16:49*	*10/11/21 03:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		5.00		mg/Kg			10/12/21 11:22	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-23 (6)

Lab Sample ID: 890-1360-16
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/12/21 08:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/12/21 08:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/12/21 08:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/08/21 10:16	10/12/21 08:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/12/21 08:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/08/21 10:16	10/12/21 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*200*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/12/21 08:42*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/08/21 10:16*	*10/12/21 08:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 03:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 03:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*10/08/21 16:49*	*10/11/21 03:43*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/08/21 16:49*	*10/11/21 03:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		4.98		mg/Kg			10/12/21 11:29	1

Client Sample ID: BH-24 (6)

Lab Sample ID: 890-1360-17
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/12/21 09:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/12/21 09:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/12/21 09:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/08/21 10:16	10/12/21 09:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:16	10/12/21 09:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/08/21 10:16	10/12/21 09:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*196*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/12/21 09:09*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-24 (6)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Lab Sample ID: 890-1360-17

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*10/08/21 10:16*	*10/12/21 09:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/08/21 16:49	10/11/21 04:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 04:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/08/21 16:49*	*10/11/21 04:04*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/08/21 16:49*	*10/11/21 04:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.8**		4.95		mg/Kg			10/12/21 11:37	1

Client Sample ID: BH-25 (6)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Lab Sample ID: 890-1360-18

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		10/08/21 10:16	10/12/21 09:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/12/21 09:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/12/21 09:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/08/21 10:16	10/12/21 09:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/12/21 09:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/08/21 10:16	10/12/21 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*184*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/12/21 09:36*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*10/08/21 10:16*	*10/12/21 09:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-25 (6)

Lab Sample ID: 890-1360-18
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Method: 8015B 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		10/08/21 16:49	10/11/21 04:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 04:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 16:49	10/11/21 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/08/21 16:49*	*10/11/21 04:25*	*1*
o-Terphenyl	*113*		*70 - 130*	*10/08/21 16:49*	*10/11/21 04:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.2**		4.96		mg/Kg			10/12/21 11:44	1

Client Sample ID: BH-26 (8)

Lab Sample ID: 890-1360-19
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/12/21 10:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/12/21 10:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/12/21 10:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/08/21 10:16	10/12/21 10:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:16	10/12/21 10:02	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/08/21 10:16	10/12/21 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*176*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/12/21 10:02*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/08/21 10:16*	*10/12/21 10:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 04:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 04:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/11/21 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/08/21 16:49*	*10/11/21 04:46*	*1*
o-Terphenyl	*120*		*70 - 130*	*10/08/21 16:49*	*10/11/21 04:46*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-26 (8)

Lab Sample ID: 890-1360-19
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.2		4.99		mg/Kg			10/12/21 11:51	1

Client Sample ID: BH-27 (8)

Lab Sample ID: 890-1360-20
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/12/21 10:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/12/21 10:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/12/21 10:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/08/21 10:16	10/12/21 10:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/12/21 10:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/21 10:16	10/12/21 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*225*	*S1+*	*70 - 130*	*10/08/21 10:16*	*10/12/21 10:29*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*10/08/21 10:16*	*10/12/21 10:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/12/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 05:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 05:07	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 16:49	10/11/21 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/08/21 16:49*	*10/11/21 05:07*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/08/21 16:49*	*10/11/21 05:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		4.95		mg/Kg			10/12/21 11:58	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-28 (4)

Lab Sample ID: 890-1360-21
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1 F2	0.00198		mg/Kg		10/08/21 10:19	10/11/21 22:43	1
Toluene	<0.00198	U F1 F2	0.00198		mg/Kg		10/08/21 10:19	10/11/21 22:43	1
Ethylbenzene	<0.00198	U F1 F2	0.00198		mg/Kg		10/08/21 10:19	10/11/21 22:43	1
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.00396		mg/Kg		10/08/21 10:19	10/11/21 22:43	1
o-Xylene	<0.00198	U F1 F2	0.00198		mg/Kg		10/08/21 10:19	10/11/21 22:43	1
Xylenes, Total	<0.00396	U F1 F2	0.00396		mg/Kg		10/08/21 10:19	10/11/21 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/08/21 10:19*	*10/11/21 22:43*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/08/21 10:19*	*10/11/21 22:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 11:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 11:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*10/09/21 13:31*	*10/11/21 11:54*	*1*
o-Terphenyl	*130*		*70 - 130*	*10/09/21 13:31*	*10/11/21 11:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.1**		5.04		mg/Kg			10/12/21 12:14	1

Client Sample ID: BH-29 (4)

Lab Sample ID: 890-1360-22
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

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		10/08/21 10:19	10/11/21 23:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/11/21 23:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/11/21 23:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:19	10/11/21 23:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/11/21 23:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:19	10/11/21 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/08/21 10:19*	*10/11/21 23:03*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-29 (4)

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-22

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/08/21 10:19*	*10/11/21 23:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/09/21 13:31	10/11/21 18:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 18:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/09/21 13:31*	*10/11/21 18:42*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/09/21 13:31*	*10/11/21 18:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.6**		4.99		mg/Kg			10/12/21 09:58	1

Client Sample ID: BH-30 (4)

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-23

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		10/08/21 10:19	10/11/21 23:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/11/21 23:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/11/21 23:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:19	10/11/21 23:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/11/21 23:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:19	10/11/21 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*10/08/21 10:19*	*10/11/21 23:24*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*10/08/21 10:19*	*10/11/21 23:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-30 (4)

Lab Sample ID: 890-1360-23
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 19:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 19:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*10/09/21 13:31*	*10/11/21 19:02*	*1*
o-Terphenyl	*125*		*70 - 130*	*10/09/21 13:31*	*10/11/21 19:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.4**		5.05		mg/Kg			10/12/21 10:15	1

Client Sample ID: BH-31 (4)

Lab Sample ID: 890-1360-24
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

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		10/08/21 10:19	10/11/21 23:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/11/21 23:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/11/21 23:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:19	10/11/21 23:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/11/21 23:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:19	10/11/21 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/08/21 10:19*	*10/11/21 23:44*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/08/21 10:19*	*10/11/21 23:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/09/21 13:31	10/11/21 19:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 19:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*10/09/21 13:31*	*10/11/21 19:23*	*1*
o-Terphenyl	*128*		*70 - 130*	*10/09/21 13:31*	*10/11/21 19:23*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-31 (4)

Lab Sample ID: 890-1360-24
Matrix: Solid

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.8		4.99		mg/Kg			10/12/21 10:20	1

Client Sample ID: BH-32 (2)

Lab Sample ID: 890-1360-25
Matrix: Solid

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 00:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 00:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 00:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/08/21 10:19	10/12/21 00:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 00:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/21 10:19	10/12/21 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*10/08/21 10:19*	*10/12/21 00:05*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*10/08/21 10:19*	*10/12/21 00:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 19:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 19:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/09/21 13:31*	*10/11/21 19:43*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/09/21 13:31*	*10/11/21 19:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		4.97		mg/Kg			10/12/21 10:26	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-33 (2)

Lab Sample ID: 890-1360-26
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 00:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 00:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 00:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:19	10/12/21 00:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 00:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:19	10/12/21 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*10/08/21 10:19*	*10/12/21 00:25*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/08/21 10:19*	*10/12/21 00:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 14:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 14:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/09/21 13:31*	*10/11/21 14:25*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/09/21 13:31*	*10/11/21 14:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.0**		4.98		mg/Kg			10/12/21 10:32	1

Client Sample ID: BH-34 (2)

Lab Sample ID: 890-1360-27
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 00:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 00:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 00:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/08/21 10:19	10/12/21 00:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 00:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/08/21 10:19	10/12/21 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/08/21 10:19*	*10/12/21 00:45*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-34 (2)

Lab Sample ID: 890-1360-27
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*10/08/21 10:19*	*10/12/21 00:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 14:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 14:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*96*		*70 - 130*	*10/09/21 13:31*	*10/11/21 14:46*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/09/21 13:31*	*10/11/21 14:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.8**		4.95		mg/Kg			10/12/21 10:49	1

Client Sample ID: BH-35 (2)

Lab Sample ID: 890-1360-28
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
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		10/08/21 10:19	10/12/21 01:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:19	10/12/21 01:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:19	10/12/21 01:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/08/21 10:19	10/12/21 01:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:19	10/12/21 01:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/08/21 10:19	10/12/21 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*10/08/21 10:19*	*10/12/21 01:06*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/08/21 10:19*	*10/12/21 01:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-35 (2)

Lab Sample ID: 890-1360-28
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
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	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 15:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 15:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*10/09/21 13:31*	*10/11/21 15:08*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/09/21 13:31*	*10/11/21 15:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.9**		4.98		mg/Kg			10/12/21 10:54	1

Client Sample ID: BH-36 (2)

Lab Sample ID: 890-1360-29
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 01:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 01:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/08/21 10:19	10/12/21 01:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 01:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/08/21 10:19	10/12/21 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/08/21 10:19*	*10/12/21 01:26*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*10/08/21 10:19*	*10/12/21 01:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 15:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 15:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/09/21 13:31*	*10/11/21 15:29*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/09/21 13:31*	*10/11/21 15:29*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-36 (2)

Lab Sample ID: 890-1360-29
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	331		4.95		mg/Kg			10/12/21 11:00	1

Client Sample ID: BH-37 (2)

Lab Sample ID: 890-1360-30
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
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		10/08/21 10:19	10/12/21 01:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:19	10/12/21 01:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:19	10/12/21 01:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/08/21 10:19	10/12/21 01:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:19	10/12/21 01:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/08/21 10:19	10/12/21 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*10/08/21 10:19*	*10/12/21 01:47*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*10/08/21 10:19*	*10/12/21 01:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/09/21 13:31	10/11/21 15:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 15:50	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/09/21 13:31*	*10/11/21 15:50*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/09/21 13:31*	*10/11/21 15:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	508		4.99		mg/Kg			10/12/21 11:05	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-38 (2)

Lab Sample ID: 890-1360-31
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
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		10/08/21 10:19	10/12/21 03:08	1
Toluene	**0.00226**		0.00199		mg/Kg		10/08/21 10:19	10/12/21 03:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/12/21 03:08	1
m-Xylene & p-Xylene	**0.00571**		0.00398		mg/Kg		10/08/21 10:19	10/12/21 03:08	1
o-Xylene	**0.00503**		0.00199		mg/Kg		10/08/21 10:19	10/12/21 03:08	1
Xylenes, Total	**0.0107**		0.00398		mg/Kg		10/08/21 10:19	10/12/21 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/08/21 10:19*	*10/12/21 03:08*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*10/08/21 10:19*	*10/12/21 03:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0130**		0.00398		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 16:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 16:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/09/21 13:31*	*10/11/21 16:33*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/09/21 13:31*	*10/11/21 16:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**455**		5.05		mg/Kg			10/12/21 11:11	1

Client Sample ID: BH-39 (2)

Lab Sample ID: 890-1360-32
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
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		10/08/21 10:19	10/12/21 03:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:19	10/12/21 03:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:19	10/12/21 03:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/08/21 10:19	10/12/21 03:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:19	10/12/21 03:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/08/21 10:19	10/12/21 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/08/21 10:19*	*10/12/21 03:29*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-39 (2)

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Lab Sample ID: 890-1360-32

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*10/08/21 10:19*	*10/12/21 03:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 16:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 16:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/09/21 13:31*	*10/11/21 16:55*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/09/21 13:31*	*10/11/21 16:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.2**		4.95		mg/Kg			10/12/21 11:17	1

Client Sample ID: BH-40 (2)

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Lab Sample ID: 890-1360-33

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		10/08/21 10:19	10/12/21 03:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/12/21 03:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/12/21 03:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:19	10/12/21 03:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:19	10/12/21 03:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:19	10/12/21 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/08/21 10:19*	*10/12/21 03:49*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/08/21 10:19*	*10/12/21 03:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-40 (2)

Lab Sample ID: 890-1360-33
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
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		10/09/21 13:31	10/11/21 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 17:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/09/21 13:31*	*10/11/21 17:16*	*1*
o-Terphenyl	*116*		*70 - 130*	*10/09/21 13:31*	*10/11/21 17:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.7**		5.02		mg/Kg			10/12/21 11:33	1

Client Sample ID: BH-41 (2)

Lab Sample ID: 890-1360-34
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 04:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 04:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 04:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:19	10/12/21 04:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 04:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:19	10/12/21 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*10/08/21 10:19*	*10/12/21 04:09*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*10/08/21 10:19*	*10/12/21 04:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/09/21 13:31	10/11/21 17:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 17:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 13:31	10/11/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/09/21 13:31*	*10/11/21 17:38*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/09/21 13:31*	*10/11/21 17:38*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-41 (2)

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Lab Sample ID: 890-1360-34
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.6		4.98		mg/Kg			10/12/21 11:39	1

Client Sample ID: SW-12 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Lab Sample ID: 890-1360-35
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		10/08/21 10:19	10/12/21 04:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 04:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 04:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/08/21 10:19	10/12/21 04:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 04:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/08/21 10:19	10/12/21 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/08/21 10:19*	*10/12/21 04:30*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/08/21 10:19*	*10/12/21 04:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 17:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 17:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*10/09/21 13:31*	*10/11/21 17:59*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/09/21 13:31*	*10/11/21 17:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.3		5.00		mg/Kg			10/12/21 11:56	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-13 (2)

Lab Sample ID: 890-1360-36
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 04:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 04:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 04:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/08/21 10:19	10/12/21 04:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 04:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/21 10:19	10/12/21 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*10/08/21 10:19*	*10/12/21 04:50*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/08/21 10:19*	*10/12/21 04:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 18:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 18:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:31	10/11/21 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/09/21 13:31*	*10/11/21 18:21*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/09/21 13:31*	*10/11/21 18:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.5**		5.00		mg/Kg			10/12/21 12:02	1

Client Sample ID: SW-14 (4)

Lab Sample ID: 890-1360-37
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:19	10/12/21 05:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:19	10/12/21 05:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:19	10/12/21 05:11	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/08/21 10:19	10/12/21 05:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:19	10/12/21 05:11	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/08/21 10:19	10/12/21 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*10/08/21 10:19*	*10/12/21 05:11*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-14 (4)

Lab Sample ID: 890-1360-37
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/08/21 10:19*	*10/12/21 05:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

Method: 8015B NM - Diesel 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		10/09/21 13:45	10/11/21 12:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		10/09/21 13:45	10/11/21 12:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:45	10/11/21 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*87*		*70 - 130*	*10/09/21 13:45*	*10/11/21 12:06*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/09/21 13:45*	*10/11/21 12:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.6**		4.97		mg/Kg			10/12/21 12:07	1

Client Sample ID: SW-15 (6)

Lab Sample ID: 890-1360-38
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 05:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 05:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 05:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/08/21 10:19	10/12/21 05:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 05:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/08/21 10:19	10/12/21 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/08/21 10:19*	*10/12/21 05:31*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/08/21 10:19*	*10/12/21 05:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-15 (6)

Lab Sample ID: 890-1360-38
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Method: 8015B 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		10/09/21 13:45	10/11/21 13:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 13:45	10/11/21 13:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 13:45	10/11/21 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/09/21 13:45*	*10/11/21 13:12*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/09/21 13:45*	*10/11/21 13:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.2**		4.95		mg/Kg			10/12/21 12:13	1

Client Sample ID: SW-16 (5)

Lab Sample ID: 890-1360-39
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 05:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 05:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 05:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/08/21 10:19	10/12/21 05:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:19	10/12/21 05:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/08/21 10:19	10/12/21 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/08/21 10:19*	*10/12/21 05:52*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*10/08/21 10:19*	*10/12/21 05:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:45	10/11/21 13:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:45	10/11/21 13:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:45	10/11/21 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*10/09/21 13:45*	*10/11/21 13:34*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/09/21 13:45*	*10/11/21 13:34*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-16 (5)

Lab Sample ID: 890-1360-39
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.3		5.05		mg/Kg			10/12/21 12:18	1

Client Sample ID: SW-17 (6)

Lab Sample ID: 890-1360-40
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 06:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 06:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 06:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:19	10/12/21 06:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/12/21 06:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:19	10/12/21 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*10/08/21 10:19*	*10/12/21 06:12*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*10/08/21 10:19*	*10/12/21 06:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/12/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/09/21 13:45	10/11/21 13:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 13:45	10/11/21 13:55	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 13:45	10/11/21 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/09/21 13:45*	*10/11/21 13:55*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/09/21 13:45*	*10/11/21 13:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.2		4.96		mg/Kg			10/12/21 12:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-24 (6)

Lab Sample ID: 890-1360-41
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		10/08/21 10:22	10/12/21 07:58	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		10/08/21 10:22	10/12/21 07:58	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		10/08/21 10:22	10/12/21 07:58	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		10/08/21 10:22	10/12/21 07:58	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		10/08/21 10:22	10/12/21 07:58	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		10/08/21 10:22	10/12/21 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*10/08/21 10:22*	*10/12/21 07:58*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*10/08/21 10:22*	*10/12/21 07:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:45	10/11/21 14:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:45	10/11/21 14:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:45	10/11/21 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/09/21 13:45*	*10/11/21 14:17*	*1*
o-Terphenyl	*90*		*70 - 130*	*10/09/21 13:45*	*10/11/21 14:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.1**		5.00		mg/Kg			10/12/21 12:30	1

Client Sample ID: SW-25 (6)

Lab Sample ID: 890-1360-42
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 08:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 08:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 08:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:22	10/12/21 08:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 08:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:22	10/12/21 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/08/21 10:22*	*10/12/21 08:18*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-25 (6)

Lab Sample ID: 890-1360-42
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*10/08/21 10:22*	*10/12/21 08:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 13:45	10/11/21 14:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:45	10/11/21 14:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:45	10/11/21 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*89*		*70 - 130*	*10/09/21 13:45*	*10/11/21 14:39*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/09/21 13:45*	*10/11/21 14:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.2**		5.04		mg/Kg			10/12/21 10:56	1

Client Sample ID: SW-26 (6)

Lab Sample ID: 890-1360-43
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:22	10/12/21 08:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:22	10/12/21 08:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:22	10/12/21 08:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/08/21 10:22	10/12/21 08:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/08/21 10:22	10/12/21 08:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/08/21 10:22	10/12/21 08:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*10/08/21 10:22*	*10/12/21 08:39*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/08/21 10:22*	*10/12/21 08:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-26 (6)

Lab Sample ID: 890-1360-43
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 13:45	10/11/21 15:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:45	10/11/21 15:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:45	10/11/21 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/09/21 13:45*	*10/11/21 15:01*	*1*
o-Terphenyl	*91*		*70 - 130*	*10/09/21 13:45*	*10/11/21 15:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.5**		4.99		mg/Kg			10/12/21 11:15	1

Client Sample ID: SW-27 (8)

Lab Sample ID: 890-1360-44
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/08/21 10:22	10/12/21 09:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/21 10:22	10/12/21 09:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/08/21 10:22*	*10/12/21 09:00*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/08/21 10:22*	*10/12/21 09:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/09/21 13:45	10/11/21 15:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 13:45	10/11/21 15:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 13:45	10/11/21 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/09/21 13:45*	*10/11/21 15:23*	*1*
o-Terphenyl	*98*		*70 - 130*	*10/09/21 13:45*	*10/11/21 15:23*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-27 (8)

Lab Sample ID: 890-1360-44
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.0		5.00		mg/Kg			10/12/21 11:21	1

Client Sample ID: SW-28 (8)

Lab Sample ID: 890-1360-45
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/08/21 10:22	10/12/21 09:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/21 10:22	10/12/21 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*10/08/21 10:22*	*10/12/21 09:21*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*10/08/21 10:22*	*10/12/21 09:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:16	10/11/21 16:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:16	10/11/21 16:33	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:16	10/11/21 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/09/21 13:16*	*10/11/21 16:33*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/09/21 13:16*	*10/11/21 16:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.00		mg/Kg			10/12/21 11:27	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-29 (8)

Lab Sample ID: 890-1360-46
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/08/21 10:22	10/12/21 09:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 09:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/08/21 10:22	10/12/21 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*10/08/21 10:22*	*10/12/21 09:42*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*10/08/21 10:22*	*10/12/21 09:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 13:16	10/11/21 16:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:16	10/11/21 16:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:16	10/11/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/09/21 13:16*	*10/11/21 16:55*	*1*
o-Terphenyl	*112*		*70 - 130*	*10/09/21 13:16*	*10/11/21 16:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.5**		4.95		mg/Kg			10/12/21 11:34	1

Client Sample ID: SW-30 (8)

Lab Sample ID: 890-1360-47
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

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		10/08/21 10:22	10/12/21 10:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:22	10/12/21 10:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:22	10/12/21 10:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:22	10/12/21 10:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:22	10/12/21 10:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:22	10/12/21 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/08/21 10:22*	*10/12/21 10:03*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-30 (8)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Lab Sample ID: 890-1360-47

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*10/08/21 10:22*	*10/12/21 10:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/08/21 08:35	10/08/21 20:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/21 08:35	10/08/21 20:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 08:35	10/08/21 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/08/21 08:35*	*10/08/21 20:00*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/08/21 08:35*	*10/08/21 20:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.9**		5.02		mg/Kg			10/12/21 11:40	1

Client Sample ID: SW-31 (8)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Lab Sample ID: 890-1360-48

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		10/08/21 10:22	10/12/21 10:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:22	10/12/21 10:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:22	10/12/21 10:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/08/21 10:22	10/12/21 10:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/08/21 10:22	10/12/21 10:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/08/21 10:22	10/12/21 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/08/21 10:22*	*10/12/21 10:23*	*1*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*10/08/21 10:22*	*10/12/21 10:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-31 (8)

Lab Sample ID: 890-1360-48
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 8015B 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		10/08/21 08:35	10/08/21 20:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 08:35	10/08/21 20:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 08:35	10/08/21 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/08/21 08:35*	*10/08/21 20:21*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/08/21 08:35*	*10/08/21 20:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.8**		4.98		mg/Kg			10/12/21 11:46	1

Client Sample ID: SW-32 (8)

Lab Sample ID: 890-1360-49
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 10:44	1
Toluene	**0.00327**		0.00200		mg/Kg		10/08/21 10:22	10/12/21 10:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 10:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/08/21 10:22	10/12/21 10:44	1
o-Xylene	**0.00282**		0.00200		mg/Kg		10/08/21 10:22	10/12/21 10:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/21 10:22	10/12/21 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*10/08/21 10:22*	*10/12/21 10:44*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/08/21 10:22*	*10/12/21 10:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00609**		0.00399		mg/Kg			10/18/21 14:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/08/21 08:35	10/08/21 20:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 08:35	10/08/21 20:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 08:35	10/08/21 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*10/08/21 08:35*	*10/08/21 20:43*	*1*
o-Terphenyl	*123*		*70 - 130*	*10/08/21 08:35*	*10/08/21 20:43*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-32 (8)

Lab Sample ID: 890-1360-49
Matrix: Solid
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 8

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.3**		4.95		mg/Kg			10/12/21 11:52	1

Client Sample ID: SW-33 (6)

Lab Sample ID: 890-1360-50
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 6

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		10/08/21 10:22	10/12/21 11:05	1
Toluene	**0.00289**		0.00199		mg/Kg		10/08/21 10:22	10/12/21 11:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:22	10/12/21 11:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:22	10/12/21 11:05	1
o-Xylene	**0.00273**		0.00199		mg/Kg		10/08/21 10:22	10/12/21 11:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:22	10/12/21 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*10/08/21 10:22*	*10/12/21 11:05*	*1*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*10/08/21 10:22*	*10/12/21 12:28*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/08/21 10:22*	*10/12/21 11:05*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/08/21 10:22*	*10/12/21 12:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00562**		0.00398		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:16	10/11/21 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:16	10/11/21 17:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:16	10/11/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/09/21 13:16*	*10/11/21 17:16*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/09/21 13:16*	*10/11/21 17:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.3**		5.05		mg/Kg			10/12/21 18:48	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-34 (4)

Lab Sample ID: 890-1360-51
Matrix: Solid

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 4

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		10/08/21 10:22	10/12/21 12:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:22	10/12/21 12:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:22	10/12/21 12:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/08/21 10:22	10/12/21 12:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/21 10:22	10/12/21 12:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/21 10:22	10/12/21 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*10/08/21 10:22*	*10/12/21 12:49*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/08/21 10:22*	*10/12/21 12:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

Method: 8015B 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		10/09/21 13:16	10/11/21 17:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 13:16	10/11/21 17:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 13:16	10/11/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/09/21 13:16*	*10/11/21 17:38*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/09/21 13:16*	*10/11/21 17:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.2**		4.98		mg/Kg			10/12/21 18:54	1

Client Sample ID: SW-35 (2)

Lab Sample ID: 890-1360-52
Matrix: Solid

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 13:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 13:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 13:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:22	10/12/21 13:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 13:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:22	10/12/21 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*10/08/21 10:22*	*10/12/21 13:09*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-35 (2)

Lab Sample ID: 890-1360-52
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*10/08/21 10:22*	*10/12/21 13:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 13:16	10/11/21 17:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:16	10/11/21 17:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:16	10/11/21 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*93*		*70 - 130*	*10/09/21 13:16*	*10/11/21 17:59*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/09/21 13:16*	*10/11/21 17:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.8**		4.99		mg/Kg			10/12/21 19:11	1

Client Sample ID: SW-36 (2)

Lab Sample ID: 890-1360-53
Matrix: Solid
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
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		10/08/21 10:22	10/12/21 13:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:22	10/12/21 13:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:22	10/12/21 13:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/08/21 10:22	10/12/21 13:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/08/21 10:22	10/12/21 13:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/08/21 10:22	10/12/21 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*10/08/21 10:22*	*10/12/21 13:30*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*10/08/21 10:22*	*10/12/21 13:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/12/21 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/21 10:15	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-36 (2)

Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25
Sample Depth: 2

Lab Sample ID: 890-1360-53

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 13:16	10/11/21 18:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 13:16	10/11/21 18:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 13:16	10/11/21 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/09/21 13:16*	*10/11/21 18:21*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/09/21 13:16*	*10/11/21 18:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.8**		5.01		mg/Kg			10/12/21 19:16	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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)
890-1360-1	BH-6 (4)	198 S1+	101
890-1360-1 MS	BH-6 (4)	134 S1+	117
890-1360-1 MSD	BH-6 (4)	160 S1+	148 S1+
890-1360-2	BH-7 (4)	207 S1+	121
890-1360-3	BH-8 (4)	203 S1+	116
890-1360-4	BH-9 (4)	213 S1+	120
890-1360-5	BH-10 (4)	181 S1+	113
890-1360-6	BH-13 (4)	176 S1+	114
890-1360-7	BH-14 (4)	299 S1+	103
890-1360-8	BH-15 (4)	170 S1+	117
890-1360-9	BH-16 (4)	169 S1+	107
890-1360-10	BH-17 (4)	171 S1+	103
890-1360-11	BH-18 (4)	199 S1+	102
890-1360-12	BH-19 (4)	198 S1+	111
890-1360-13	BH-20 (2)	178 S1+	104
890-1360-14	BH-21 (5)	200 S1+	119
890-1360-15	BH-22 (6)	185 S1+	109
890-1360-16	BH-23 (6)	200 S1+	84
890-1360-17	BH-24 (6)	196 S1+	117
890-1360-18	BH-25 (6)	184 S1+	102
890-1360-19	BH-26 (8)	176 S1+	98
890-1360-20	BH-27 (8)	225 S1+	122
890-1360-21	BH-28 (4)	118	70
890-1360-21 MS	BH-28 (4)	119	82
890-1360-21 MSD	BH-28 (4)	133 S1+	81
890-1360-22	BH-29 (4)	109	80
890-1360-23	BH-30 (4)	141 S1+	83
890-1360-24	BH-31 (4)	116	80
890-1360-25	BH-32 (2)	129	77
890-1360-26	BH-33 (2)	131 S1+	84
890-1360-27	BH-34 (2)	114	67 S1-
890-1360-28	BH-35 (2)	94	80
890-1360-29	BH-36 (2)	128	62 S1-
890-1360-30	BH-37 (2)	136 S1+	78
890-1360-31	BH-38 (2)	93	73
890-1360-32	BH-39 (2)	128	74
890-1360-33	BH-40 (2)	128	70
890-1360-34	BH-41 (2)	125	71
890-1360-35	SW-12 (4)	109	85
890-1360-36	SW-13 (2)	97	70
890-1360-37	SW-14 (4)	122	80
890-1360-38	SW-15 (6)	99	88
890-1360-39	SW-16 (5)	101	75
890-1360-40	SW-17 (6)	96	76
890-1360-41	SW-24 (6)	91	78
890-1360-41 MS	SW-24 (6)	98	91
890-1360-41 MSD	SW-24 (6)	301 S1+	115
890-1360-42	SW-25 (6)	99	76
890-1360-43	SW-26 (6)	127	84

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1360-1
Project/Site: Solaris - Booster Pump 1003 SDG: Eddy County

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1360-44	SW-27 (8)	118	80
890-1360-45	SW-28 (8)	113	122
890-1360-46	SW-29 (8)	79	116
890-1360-47	SW-30 (8)	95	89
890-1360-48	SW-31 (8)	90	130
890-1360-49	SW-32 (8)	83	80
890-1360-50	SW-33 (6)	143 S1+	97
890-1360-50	SW-33 (6)	89	103
890-1360-51	SW-34 (4)	80	98
890-1360-52	SW-35 (2)	81	81
890-1360-53	SW-36 (2)	89	82
LCS 880-9102/1-A	Lab Control Sample	182 S1+	103
LCS 880-9105/1-A	Lab Control Sample	121	84
LCS 880-9106/1-A	Lab Control Sample	118	112
LCSD 880-9102/2-A	Lab Control Sample Dup	184 S1+	108
LCSD 880-9105/2-A	Lab Control Sample Dup	124	88
LCSD 880-9106/2-A	Lab Control Sample Dup	98	85
MB 880-8976/5-A	Method Blank	105	110
MB 880-9102/5-A	Method Blank	105	104
MB 880-9105/5-A	Method Blank	95	78
MB 880-9106/5-A	Method Blank	110	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-6967-A-6-C MS	Matrix Spike	102	100
880-6967-A-6-D MSD	Matrix Spike Duplicate	102	105
890-1353-A-1-J MS	Matrix Spike	99	100
890-1353-A-1-K MSD	Matrix Spike Duplicate	93	93
890-1360-1	BH-6 (4)	108	120
890-1360-1 MS	BH-6 (4)	84	92
890-1360-1 MSD	BH-6 (4)	84	91
890-1360-2	BH-7 (4)	100	117
890-1360-3	BH-8 (4)	105	121
890-1360-4	BH-9 (4)	99	114
890-1360-5	BH-10 (4)	110	126
890-1360-6	BH-13 (4)	102	117
890-1360-7	BH-14 (4)	99	111
890-1360-8	BH-15 (4)	101	116
890-1360-9	BH-16 (4)	100	112
890-1360-10	BH-17 (4)	102	115
890-1360-11	BH-18 (4)	107	120
890-1360-12	BH-19 (4)	101	114
890-1360-13	BH-20 (2)	103	117

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1360-1
Project/Site: Solaris - Booster Pump 1003 SDG: Eddy County

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-1360-14	BH-21 (5)	102	118								
890-1360-15	BH-22 (6)	109	124								
890-1360-16	BH-23 (6)	101	117								
890-1360-17	BH-24 (6)	100	115								
890-1360-18	BH-25 (6)	99	113								
890-1360-19	BH-26 (8)	104	120								
890-1360-20	BH-27 (8)	100	115								
890-1360-21	BH-28 (4)	117	130								
890-1360-21 MS	BH-28 (4)	111	108								
890-1360-21 MSD	BH-28 (4)	101	96								
890-1360-22	BH-29 (4)	104	109								
890-1360-23	BH-30 (4)	111	125								
890-1360-24	BH-31 (4)	116	128								
890-1360-25	BH-32 (2)	109	121								
890-1360-26	BH-33 (2)	95	104								
890-1360-27	BH-34 (2)	96	102								
890-1360-28	BH-35 (2)	89	99								
890-1360-29	BH-36 (2)	93	101								
890-1360-30	BH-37 (2)	93	97								
890-1360-31	BH-38 (2)	99	109								
890-1360-32	BH-39 (2)	100	110								
890-1360-33	BH-40 (2)	109	116								
890-1360-34	BH-41 (2)	110	114								
890-1360-35	SW-12 (4)	106	110								
890-1360-36	SW-13 (2)	102	106								
890-1360-37	SW-14 (4)	87	92								
890-1360-37 MS	SW-14 (4)	78	76								
890-1360-37 MSD	SW-14 (4)	79	74								
890-1360-38	SW-15 (6)	92	97								
890-1360-39	SW-16 (5)	90	93								
890-1360-40	SW-17 (6)	88	92								
890-1360-41	SW-24 (6)	86	90								
890-1360-42	SW-25 (6)	89	92								
890-1360-43	SW-26 (6)	88	91								
890-1360-44	SW-27 (8)	92	98								
890-1360-45	SW-28 (8)	99	110								
890-1360-46	SW-29 (8)	102	112								
890-1360-47	SW-30 (8)	102	107								
890-1360-48	SW-31 (8)	103	109								
890-1360-49	SW-32 (8)	119	123								
890-1360-50	SW-33 (6)	98	108								
890-1360-51	SW-34 (4)	98	109								
890-1360-52	SW-35 (2)	93	105								
890-1360-53	SW-36 (2)	93	104								
LCS 880-9093/2-A	Lab Control Sample	90	95								
LCS 880-9140/2-A	Lab Control Sample	112	118								
LCS 880-9164/2-A	Lab Control Sample	91	88								
LCS 880-9165/2-A	Lab Control Sample	104	105								
LCS 880-9166/2-A	Lab Control Sample	88	91								
LCSD 880-9093/3-A	Lab Control Sample Dup	100	107								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1360-1
Project/Site: Solaris - Booster Pump 1003 SDG: Eddy County

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
LCSD 880-9140/3-A	Lab Control Sample Dup	108	115								
LCSD 880-9164/3-A	Lab Control Sample Dup	83	81								
LCSD 880-9165/3-A	Lab Control Sample Dup	104	108								
LCSD 880-9166/3-A	Lab Control Sample Dup	100	105								
MB 880-9093/1-A	Method Blank	114	131 S1+								
MB 880-9140/1-A	Method Blank	106	125								
MB 880-9164/1-A	Method Blank	102	119								
MB 880-9165/1-A	Method Blank	114	125								
MB 880-9166/1-A	Method Blank	95	105								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8976/5-A
Matrix: Solid
Analysis Batch: 9270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/21 17:00	10/11/21 20:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/21 17:00	10/11/21 20:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/21 17:00	10/11/21 20:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/06/21 17:00	10/11/21 20:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/21 17:00	10/11/21 20:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/06/21 17:00	10/11/21 20:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/06/21 17:00*	*10/11/21 20:37*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/06/21 17:00*	*10/11/21 20:37*	*1*

Lab Sample ID: MB 880-9102/5-A
Matrix: Solid
Analysis Batch: 9192

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 16:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 16:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 16:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:16	10/11/21 16:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:16	10/11/21 16:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:16	10/11/21 16:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/08/21 10:16*	*10/11/21 16:24*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/08/21 10:16*	*10/11/21 16:24*	*1*

Lab Sample ID: LCS 880-9102/1-A
Matrix: Solid
Analysis Batch: 9192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9102

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1178		mg/Kg		118	70 - 130		
Toluene			0.100	0.1285		mg/Kg		129	70 - 130		
Ethylbenzene			0.100	0.1210		mg/Kg		121	70 - 130		
m-Xylene & p-Xylene			0.200	0.2605		mg/Kg		130	70 - 130		
o-Xylene			0.100	0.1262		mg/Kg		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*182*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-9102/2-A
Matrix: Solid
Analysis Batch: 9192

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9102

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1222		mg/Kg		122	70 - 130	4	35

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: LCSD 880-9102/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 9192 — **Prep Batch: 9102**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.1282		mg/Kg		128	70 - 130	0	35
Ethylbenzene			0.100	0.1212		mg/Kg		121	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2604		mg/Kg		130	70 - 130	0	35
o-Xylene			0.100	0.1272		mg/Kg		127	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*184*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-1360-1 MS — **Client Sample ID: BH-6 (4)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 9192 — **Prep Batch: 9102**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00201	U F1	0.100	0.05543	F1	mg/Kg		55	70 - 130
Toluene	<0.00201	U F1	0.100	0.05791	F1	mg/Kg		58	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.06018	F1	mg/Kg		60	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.1285	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.06821	F1	mg/Kg		68	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 890-1360-1 MSD — **Client Sample ID: BH-6 (4)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 9192 — **Prep Batch: 9102**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.06837	F1	mg/Kg		68	70 - 130	21	35
Toluene	<0.00201	U F1	0.100	0.06847	F1	mg/Kg		68	70 - 130	17	35
Ethylbenzene	<0.00201	U F1	0.100	0.07037		mg/Kg		70	70 - 130	16	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1507		mg/Kg		75	70 - 130	16	35
o-Xylene	<0.00201	U F1	0.100	0.07596		mg/Kg		76	70 - 130	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*148*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-9105/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 9269 — **Prep Batch: 9105**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/11/21 22:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/11/21 22:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/11/21 22:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:19	10/11/21 22:21	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: MB 880-9105/5-A
Matrix: Solid
Analysis Batch: 9269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:19	10/11/21 22:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:19	10/11/21 22:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/08/21 10:19*	*10/11/21 22:21*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*10/08/21 10:19*	*10/11/21 22:21*	*1*

Lab Sample ID: LCS 880-9105/1-A
Matrix: Solid
Analysis Batch: 9269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9105

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08396		mg/Kg		84	70 - 130		
Toluene			0.100	0.08866		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.09513		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene			0.200	0.2024		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.1022		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: LCSD 880-9105/2-A
Matrix: Solid
Analysis Batch: 9269

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9105

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08080		mg/Kg		81	70 - 130	4	35
Toluene			0.100	0.08494		mg/Kg		85	70 - 130	4	35
Ethylbenzene			0.100	0.09013		mg/Kg		90	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1921		mg/Kg		96	70 - 130	5	35
o-Xylene			0.100	0.09781		mg/Kg		98	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: 890-1360-21 MS
Matrix: Solid
Analysis Batch: 9269

Client Sample ID: BH-28 (4)
Prep Type: Total/NA
Prep Batch: 9105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U F1 F2	0.101	0.06527	F1	mg/Kg		65	70 - 130		
Toluene	<0.00198	U F1 F2	0.101	0.07133		mg/Kg		71	70 - 130		
Ethylbenzene	<0.00198	U F1 F2	0.101	0.07588		mg/Kg		75	70 - 130		
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.202	0.1635		mg/Kg		81	70 - 130		
o-Xylene	<0.00198	U F1 F2	0.101	0.08341		mg/Kg		83	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: 890-1360-21 MS
Matrix: Solid
Analysis Batch: 9269

Client Sample ID: BH-28 (4)
Prep Type: Total/NA
Prep Batch: 9105

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 890-1360-21 MSD
Matrix: Solid
Analysis Batch: 9269

Client Sample ID: BH-28 (4)
Prep Type: Total/NA
Prep Batch: 9105

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1 F2	0.0998	0.03036	F1 F2	mg/Kg		30	70 - 130	73	35
Toluene	<0.00198	U F1 F2	0.0998	0.03163	F1 F2	mg/Kg		32	70 - 130	77	35
Ethylbenzene	<0.00198	U F1 F2	0.0998	0.04191	F1 F2	mg/Kg		41	70 - 130	58	35
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.200	0.07945	F1 F2	mg/Kg		40	70 - 130	69	35
o-Xylene	<0.00198	U F1 F2	0.0998	0.04301	F1 F2	mg/Kg		43	70 - 130	64	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: MB 880-9106/5-A
Matrix: Solid
Analysis Batch: 9270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 07:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 07:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 07:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 10:22	10/12/21 07:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 10:22	10/12/21 07:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 10:22	10/12/21 07:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/08/21 10:22	10/12/21 07:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/08/21 10:22	10/12/21 07:36	1

Lab Sample ID: LCS 880-9106/1-A
Matrix: Solid
Analysis Batch: 9270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9106

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07635		mg/Kg		76	70 - 130		
Toluene			0.100	0.1009		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.1018		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.1881		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.08402		mg/Kg		84	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-9106/1-A
Matrix: Solid
Analysis Batch: 9270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9106

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

Lab Sample ID: LCSD 880-9106/2-A
Matrix: Solid
Analysis Batch: 9270

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9106

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07215		mg/Kg		72	70 - 130	6	35
Toluene			0.100	0.09037		mg/Kg		90	70 - 130	11	35
Ethylbenzene			0.100	0.08529		mg/Kg		85	70 - 130	18	35
m-Xylene & p-Xylene			0.200	0.1618		mg/Kg		81	70 - 130	15	35
o-Xylene			0.100	0.07486		mg/Kg		75	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 890-1360-41 MS
Matrix: Solid
Analysis Batch: 9270

Client Sample ID: SW-24 (6)
Prep Type: Total/NA
Prep Batch: 9106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U F2 F1	0.100	0.007936	F1	mg/Kg		8	70 - 130		
Toluene	<0.00199	U F2 F1	0.100	0.02852	F1	mg/Kg		29	70 - 130		
Ethylbenzene	<0.00199	U F2 F1	0.100	0.02876	F1	mg/Kg		29	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.05962	F1	mg/Kg		30	70 - 130		
o-Xylene	<0.00199	U F2 F1	0.100	0.03183	F1	mg/Kg		32	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-1360-41 MSD
Matrix: Solid
Analysis Batch: 9270

Client Sample ID: SW-24 (6)
Prep Type: Total/NA
Prep Batch: 9106

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.0992	0.01810	F2 F1	mg/Kg		18	70 - 130	78	35
Toluene	<0.00199	U F2 F1	0.0992	0.005283	F2 F1	mg/Kg		5	70 - 130	137	35
Ethylbenzene	<0.00199	U F2 F1	0.0992	0.01758	F2 F1	mg/Kg		18	70 - 130	48	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.198	0.08565	F2 F1	mg/Kg		43	70 - 130	36	35
o-Xylene	<0.00199	U F2 F1	0.0992	0.06923	F2	mg/Kg		70	70 - 130	74	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	301	S1+	70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: MB 880-9093/1-A
Matrix: Solid
Analysis Batch: 9088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9093

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		10/08/21 08:35	10/08/21 12:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/21 08:35	10/08/21 12:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/21 08:35	10/08/21 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*10/08/21 08:35*	*10/08/21 12:13*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*10/08/21 08:35*	*10/08/21 12:13*	*1*

Lab Sample ID: LCS 880-9093/2-A
Matrix: Solid
Analysis Batch: 9088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	776.9		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	1000	900.9		mg/Kg		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: LCSD 880-9093/3-A
Matrix: Solid
Analysis Batch: 9088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9093

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	835.1		mg/Kg		84	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1036		mg/Kg		104	70 - 130	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: 880-6967-A-6-C MS
Matrix: Solid
Analysis Batch: 9088

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 9093

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	997	890.3		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1025		mg/Kg		103	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: 880-6967-A-6-C MS
Matrix: Solid
Analysis Batch: 9088

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 9093

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-6967-A-6-D MSD
Matrix: Solid
Analysis Batch: 9088

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 9093

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	981.0		mg/Kg		94	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1078		mg/Kg		108	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: MB 880-9140/1-A
Matrix: Solid
Analysis Batch: 9171

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9140

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		10/08/21 16:49	10/10/21 20:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/10/21 20:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/21 16:49	10/10/21 20:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	10/08/21 16:49	10/10/21 20:17	1
o-Terphenyl	125		70 - 130	10/08/21 16:49	10/10/21 20:17	1

Lab Sample ID: LCS 880-9140/2-A
Matrix: Solid
Analysis Batch: 9171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	886.0		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	118		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: LCSD 880-9140/3-A
Matrix: Solid
Analysis Batch: 9171

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9140

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	853.1		mg/Kg		85	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	983.1		mg/Kg		98	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: 890-1360-1 MS
Matrix: Solid
Analysis Batch: 9171

Client Sample ID: BH-6 (4)
Prep Type: Total/NA
Prep Batch: 9140

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	997	82.13	F1	mg/Kg		8	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	88.10	F1	mg/Kg		9	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 890-1360-1 MSD
Matrix: Solid
Analysis Batch: 9171

Client Sample ID: BH-6 (4)
Prep Type: Total/NA
Prep Batch: 9140

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	1000	82.61	F1	mg/Kg		8	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	88.82	F1	mg/Kg		9	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: MB 880-9164/1-A
Matrix: Solid
Analysis Batch: 9176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9164

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		10/09/21 13:16	10/11/21 10:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:16	10/11/21 10:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:16	10/11/21 10:51	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: MB 880-9164/1-A
Matrix: Solid
Analysis Batch: 9176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9164

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	10/09/21 13:16	10/11/21 10:51	1
o-Terphenyl	119		70 - 130	10/09/21 13:16	10/11/21 10:51	1

Lab Sample ID: LCS 880-9164/2-A
Matrix: Solid
Analysis Batch: 9176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9164

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1167		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	878.9		mg/Kg		88	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: LCSD 880-9164/3-A
Matrix: Solid
Analysis Batch: 9176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9164

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1075		mg/Kg		108	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	865.7		mg/Kg		87	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 890-1353-A-1-J MS
Matrix: Solid
Analysis Batch: 9176

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 9164

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	997	1170		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	915.8		mg/Kg		90	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	100		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: 890-1353-A-1-K MSD
Matrix: Solid
Analysis Batch: 9176

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 9164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1210		mg/Kg		117	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	859.0		mg/Kg		84	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: MB 880-9165/1-A
Matrix: Solid
Analysis Batch: 9178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9165

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		10/09/21 13:31	10/11/21 10:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 10:51	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:31	10/11/21 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*10/09/21 13:31*	*10/11/21 10:51*	*1*
o-Terphenyl	*125*		*70 - 130*	*10/09/21 13:31*	*10/11/21 10:51*	*1*

Lab Sample ID: LCS 880-9165/2-A
Matrix: Solid
Analysis Batch: 9178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1043		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1027		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-9165/3-A
Matrix: Solid
Analysis Batch: 9178

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9165

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	871.9		mg/Kg		87	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103	70 - 130	1	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: LCSD 880-9165/3-A
Matrix: Solid
Analysis Batch: 9178

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9165

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 890-1360-21 MS
Matrix: Solid
Analysis Batch: 9178

Client Sample ID: BH-28 (4)
Prep Type: Total/NA
Prep Batch: 9165

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	997	984.9		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1021		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 890-1360-21 MSD
Matrix: Solid
Analysis Batch: 9178

Client Sample ID: BH-28 (4)
Prep Type: Total/NA
Prep Batch: 9165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	943.2		mg/Kg		91	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	905.6		mg/Kg		89	70 - 130	12	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: MB 880-9166/1-A
Matrix: Solid
Analysis Batch: 9180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9166

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		10/09/21 13:45	10/11/21 11:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 13:45	10/11/21 11:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 13:45	10/11/21 11:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	10/09/21 13:45	10/11/21 11:01	1
o-Terphenyl	105		70 - 130	10/09/21 13:45	10/11/21 11:01	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-9166/2-A
Matrix: Solid
Analysis Batch: 9180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9166

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	748.8		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	750.2		mg/Kg		75	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: LCSD 880-9166/3-A
Matrix: Solid
Analysis Batch: 9180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9166

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	854.8		mg/Kg		85	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	884.5		mg/Kg		88	70 - 130	16	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: 890-1360-37 MS
Matrix: Solid
Analysis Batch: 9180

Client Sample ID: SW-14 (4)
Prep Type: Total/NA
Prep Batch: 9166

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	997	690.2	F1	mg/Kg		69	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	694.8		mg/Kg		70	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Lab Sample ID: 890-1360-37 MSD
Matrix: Solid
Analysis Batch: 9180

Client Sample ID: SW-14 (4)
Prep Type: Total/NA
Prep Batch: 9166

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	1000	679.9	F1	mg/Kg		68	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	683.5	F1	mg/Kg		68	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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

Lab Sample ID: 890-1360-37 MSD
Matrix: Solid
Analysis Batch: 9180

Client Sample ID: SW-14 (4)
Prep Type: Total/NA
Prep Batch: 9166

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9132/1-A
Matrix: Solid
Analysis Batch: 9248

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			10/12/21 08:23	1

Lab Sample ID: LCS 880-9132/2-A
Matrix: Solid
Analysis Batch: 9248

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	241.6		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-9132/3-A
Matrix: Solid
Analysis Batch: 9248

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	243.7		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-1360-2 MS
Matrix: Solid
Analysis Batch: 9248

Client Sample ID: BH-7 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	51.3		248	304.4		mg/Kg		102	90 - 110		

Lab Sample ID: 890-1360-2 MSD
Matrix: Solid
Analysis Batch: 9248

Client Sample ID: BH-7 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	51.3		248	304.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-1360-12 MS
Matrix: Solid
Analysis Batch: 9248

Client Sample ID: BH-19 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	29.1		248	281.4		mg/Kg		102	90 - 110		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1360-12 MSD
Matrix: Solid
Analysis Batch: 9248

Client Sample ID: BH-19 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	29.1		248	282.5		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-9133/1-A
Matrix: Solid
Analysis Batch: 9272

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			10/12/21 09:41	1

Lab Sample ID: LCS 880-9133/2-A
Matrix: Solid
Analysis Batch: 9272

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	239.9		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-9133/3-A
Matrix: Solid
Analysis Batch: 9272

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	241.0		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-1360-22 MS
Matrix: Solid
Analysis Batch: 9272

Client Sample ID: BH-29 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.6		250	274.1		mg/Kg		102	90 - 110

Lab Sample ID: 890-1360-22 MSD
Matrix: Solid
Analysis Batch: 9272

Client Sample ID: BH-29 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	20.6		250	275.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-1360-32 MS
Matrix: Solid
Analysis Batch: 9272

Client Sample ID: BH-39 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	14.2		248	266.2		mg/Kg		102	90 - 110

Lab Sample ID: 890-1360-32 MSD
Matrix: Solid
Analysis Batch: 9272

Client Sample ID: BH-39 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	14.2		248	266.5		mg/Kg		102	90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9134/1-A
Matrix: Solid
Analysis Batch: 9274

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			10/12/21 08:45	1

Lab Sample ID: LCS 880-9134/2-A
Matrix: Solid
Analysis Batch: 9274

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.0		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-9134/3-A
Matrix: Solid
Analysis Batch: 9274

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	260.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-6817-A-4-C MS
Matrix: Solid
Analysis Batch: 9274

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	10.1	F1	249	285.9	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-6817-A-4-D MSD
Matrix: Solid
Analysis Batch: 9274

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	10.1	F1	249	278.9		mg/Kg		108	90 - 110	2	20

Lab Sample ID: MB 880-9135/1-A
Matrix: Solid
Analysis Batch: 9314

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			10/12/21 18:03	1

Lab Sample ID: LCS 880-9135/2-A
Matrix: Solid
Analysis Batch: 9314

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	245.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-9135/3-A
Matrix: Solid
Analysis Batch: 9314

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	246.9		mg/Kg		99	90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-6817-A-6-C MS
Matrix: Solid
Analysis Batch: 9314

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	33.4		250	287.2		mg/Kg		102	90 - 110

Lab Sample ID: 880-6817-A-6-D MSD
Matrix: Solid
Analysis Batch: 9314

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	33.4		250	288.7		mg/Kg		102	90 - 110	1	20

Lab Sample ID: MB 880-9195/1-A
Matrix: Solid
Analysis Batch: 9363

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			10/13/21 09:00	1

Lab Sample ID: LCS 880-9195/2-A
Matrix: Solid
Analysis Batch: 9363

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	242.8		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-9195/3-A
Matrix: Solid
Analysis Batch: 9363

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	243.3		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-1360-1 MS
Matrix: Solid
Analysis Batch: 9363

Client Sample ID: BH-6 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	43.1		249	295.0		mg/Kg		101	90 - 110

Lab Sample ID: 890-1360-1 MSD
Matrix: Solid
Analysis Batch: 9363

Client Sample ID: BH-6 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	43.1		249	295.6		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC VOA

Prep Batch: 8976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8976/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 9102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-1	BH-6 (4)	Total/NA	Solid	5035	
890-1360-2	BH-7 (4)	Total/NA	Solid	5035	
890-1360-3	BH-8 (4)	Total/NA	Solid	5035	
890-1360-4	BH-9 (4)	Total/NA	Solid	5035	
890-1360-5	BH-10 (4)	Total/NA	Solid	5035	
890-1360-6	BH-13 (4)	Total/NA	Solid	5035	
890-1360-7	BH-14 (4)	Total/NA	Solid	5035	
890-1360-8	BH-15 (4)	Total/NA	Solid	5035	
890-1360-9	BH-16 (4)	Total/NA	Solid	5035	
890-1360-10	BH-17 (4)	Total/NA	Solid	5035	
890-1360-11	BH-18 (4)	Total/NA	Solid	5035	
890-1360-12	BH-19 (4)	Total/NA	Solid	5035	
890-1360-13	BH-20 (2)	Total/NA	Solid	5035	
890-1360-14	BH-21 (5)	Total/NA	Solid	5035	
890-1360-15	BH-22 (6)	Total/NA	Solid	5035	
890-1360-16	BH-23 (6)	Total/NA	Solid	5035	
890-1360-17	BH-24 (6)	Total/NA	Solid	5035	
890-1360-18	BH-25 (6)	Total/NA	Solid	5035	
890-1360-19	BH-26 (8)	Total/NA	Solid	5035	
890-1360-20	BH-27 (8)	Total/NA	Solid	5035	
MB 880-9102/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9102/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9102/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1360-1 MS	BH-6 (4)	Total/NA	Solid	5035	
890-1360-1 MSD	BH-6 (4)	Total/NA	Solid	5035	

Prep Batch: 9105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-21	BH-28 (4)	Total/NA	Solid	5035	
890-1360-22	BH-29 (4)	Total/NA	Solid	5035	
890-1360-23	BH-30 (4)	Total/NA	Solid	5035	
890-1360-24	BH-31 (4)	Total/NA	Solid	5035	
890-1360-25	BH-32 (2)	Total/NA	Solid	5035	
890-1360-26	BH-33 (2)	Total/NA	Solid	5035	
890-1360-27	BH-34 (2)	Total/NA	Solid	5035	
890-1360-28	BH-35 (2)	Total/NA	Solid	5035	
890-1360-29	BH-36 (2)	Total/NA	Solid	5035	
890-1360-30	BH-37 (2)	Total/NA	Solid	5035	
890-1360-31	BH-38 (2)	Total/NA	Solid	5035	
890-1360-32	BH-39 (2)	Total/NA	Solid	5035	
890-1360-33	BH-40 (2)	Total/NA	Solid	5035	
890-1360-34	BH-41 (2)	Total/NA	Solid	5035	
890-1360-35	SW-12 (4)	Total/NA	Solid	5035	
890-1360-36	SW-13 (2)	Total/NA	Solid	5035	
890-1360-37	SW-14 (4)	Total/NA	Solid	5035	
890-1360-38	SW-15 (6)	Total/NA	Solid	5035	
890-1360-39	SW-16 (5)	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC VOA (Continued)

Prep Batch: 9105 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-40	SW-17 (6)	Total/NA	Solid	5035	
MB 880-9105/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9105/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9105/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1360-21 MS	BH-28 (4)	Total/NA	Solid	5035	
890-1360-21 MSD	BH-28 (4)	Total/NA	Solid	5035	

Prep Batch: 9106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-41	SW-24 (6)	Total/NA	Solid	5035	
890-1360-42	SW-25 (6)	Total/NA	Solid	5035	
890-1360-43	SW-26 (6)	Total/NA	Solid	5035	
890-1360-44	SW-27 (8)	Total/NA	Solid	5035	
890-1360-45	SW-28 (8)	Total/NA	Solid	5035	
890-1360-46	SW-29 (8)	Total/NA	Solid	5035	
890-1360-47	SW-30 (8)	Total/NA	Solid	5035	
890-1360-48	SW-31 (8)	Total/NA	Solid	5035	
890-1360-49	SW-32 (8)	Total/NA	Solid	5035	
890-1360-50	SW-33 (6)	Total/NA	Solid	5035	
890-1360-51	SW-34 (4)	Total/NA	Solid	5035	
890-1360-52	SW-35 (2)	Total/NA	Solid	5035	
890-1360-53	SW-36 (2)	Total/NA	Solid	5035	
MB 880-9106/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9106/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9106/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1360-41 MS	SW-24 (6)	Total/NA	Solid	5035	
890-1360-41 MSD	SW-24 (6)	Total/NA	Solid	5035	

Analysis Batch: 9192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-1	BH-6 (4)	Total/NA	Solid	8021B	9102
890-1360-2	BH-7 (4)	Total/NA	Solid	8021B	9102
890-1360-3	BH-8 (4)	Total/NA	Solid	8021B	9102
890-1360-4	BH-9 (4)	Total/NA	Solid	8021B	9102
890-1360-5	BH-10 (4)	Total/NA	Solid	8021B	9102
890-1360-6	BH-13 (4)	Total/NA	Solid	8021B	9102
890-1360-7	BH-14 (4)	Total/NA	Solid	8021B	9102
890-1360-8	BH-15 (4)	Total/NA	Solid	8021B	9102
890-1360-9	BH-16 (4)	Total/NA	Solid	8021B	9102
890-1360-10	BH-17 (4)	Total/NA	Solid	8021B	9102
890-1360-11	BH-18 (4)	Total/NA	Solid	8021B	9102
890-1360-12	BH-19 (4)	Total/NA	Solid	8021B	9102
890-1360-13	BH-20 (2)	Total/NA	Solid	8021B	9102
890-1360-14	BH-21 (5)	Total/NA	Solid	8021B	9102
890-1360-15	BH-22 (6)	Total/NA	Solid	8021B	9102
890-1360-16	BH-23 (6)	Total/NA	Solid	8021B	9102
890-1360-17	BH-24 (6)	Total/NA	Solid	8021B	9102
890-1360-18	BH-25 (6)	Total/NA	Solid	8021B	9102
890-1360-19	BH-26 (8)	Total/NA	Solid	8021B	9102
890-1360-20	BH-27 (8)	Total/NA	Solid	8021B	9102
MB 880-9102/5-A	Method Blank	Total/NA	Solid	8021B	9102

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 9192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-9102/1-A	Lab Control Sample	Total/NA	Solid	8021B	9102
LCSD 880-9102/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9102
890-1360-1 MS	BH-6 (4)	Total/NA	Solid	8021B	9102
890-1360-1 MSD	BH-6 (4)	Total/NA	Solid	8021B	9102

Analysis Batch: 9269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-21	BH-28 (4)	Total/NA	Solid	8021B	9105
890-1360-22	BH-29 (4)	Total/NA	Solid	8021B	9105
890-1360-23	BH-30 (4)	Total/NA	Solid	8021B	9105
890-1360-24	BH-31 (4)	Total/NA	Solid	8021B	9105
890-1360-25	BH-32 (2)	Total/NA	Solid	8021B	9105
890-1360-26	BH-33 (2)	Total/NA	Solid	8021B	9105
890-1360-27	BH-34 (2)	Total/NA	Solid	8021B	9105
890-1360-28	BH-35 (2)	Total/NA	Solid	8021B	9105
890-1360-29	BH-36 (2)	Total/NA	Solid	8021B	9105
890-1360-30	BH-37 (2)	Total/NA	Solid	8021B	9105
890-1360-31	BH-38 (2)	Total/NA	Solid	8021B	9105
890-1360-32	BH-39 (2)	Total/NA	Solid	8021B	9105
890-1360-33	BH-40 (2)	Total/NA	Solid	8021B	9105
890-1360-34	BH-41 (2)	Total/NA	Solid	8021B	9105
890-1360-35	SW-12 (4)	Total/NA	Solid	8021B	9105
890-1360-36	SW-13 (2)	Total/NA	Solid	8021B	9105
890-1360-37	SW-14 (4)	Total/NA	Solid	8021B	9105
890-1360-38	SW-15 (6)	Total/NA	Solid	8021B	9105
890-1360-39	SW-16 (5)	Total/NA	Solid	8021B	9105
890-1360-40	SW-17 (6)	Total/NA	Solid	8021B	9105
MB 880-9105/5-A	Method Blank	Total/NA	Solid	8021B	9105
LCS 880-9105/1-A	Lab Control Sample	Total/NA	Solid	8021B	9105
LCSD 880-9105/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9105
890-1360-21 MS	BH-28 (4)	Total/NA	Solid	8021B	9105
890-1360-21 MSD	BH-28 (4)	Total/NA	Solid	8021B	9105

Analysis Batch: 9270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-41	SW-24 (6)	Total/NA	Solid	8021B	9106
890-1360-42	SW-25 (6)	Total/NA	Solid	8021B	9106
890-1360-43	SW-26 (6)	Total/NA	Solid	8021B	9106
890-1360-44	SW-27 (8)	Total/NA	Solid	8021B	9106
890-1360-45	SW-28 (8)	Total/NA	Solid	8021B	9106
890-1360-46	SW-29 (8)	Total/NA	Solid	8021B	9106
890-1360-47	SW-30 (8)	Total/NA	Solid	8021B	9106
890-1360-48	SW-31 (8)	Total/NA	Solid	8021B	9106
890-1360-49	SW-32 (8)	Total/NA	Solid	8021B	9106
890-1360-50	SW-33 (6)	Total/NA	Solid	8021B	9106
890-1360-50	SW-33 (6)	Total/NA	Solid	8021B	9106
890-1360-51	SW-34 (4)	Total/NA	Solid	8021B	9106
890-1360-52	SW-35 (2)	Total/NA	Solid	8021B	9106
890-1360-53	SW-36 (2)	Total/NA	Solid	8021B	9106
MB 880-8976/5-A	Method Blank	Total/NA	Solid	8021B	8976
MB 880-9106/5-A	Method Blank	Total/NA	Solid	8021B	9106

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 9270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-9106/1-A	Lab Control Sample	Total/NA	Solid	8021B	9106
LCSD 880-9106/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9106
890-1360-41 MS	SW-24 (6)	Total/NA	Solid	8021B	9106
890-1360-41 MSD	SW-24 (6)	Total/NA	Solid	8021B	9106

Analysis Batch: 9271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-1	BH-6 (4)	Total/NA	Solid	Total BTEX	
890-1360-2	BH-7 (4)	Total/NA	Solid	Total BTEX	
890-1360-3	BH-8 (4)	Total/NA	Solid	Total BTEX	
890-1360-4	BH-9 (4)	Total/NA	Solid	Total BTEX	
890-1360-5	BH-10 (4)	Total/NA	Solid	Total BTEX	
890-1360-6	BH-13 (4)	Total/NA	Solid	Total BTEX	
890-1360-7	BH-14 (4)	Total/NA	Solid	Total BTEX	
890-1360-8	BH-15 (4)	Total/NA	Solid	Total BTEX	
890-1360-9	BH-16 (4)	Total/NA	Solid	Total BTEX	
890-1360-10	BH-17 (4)	Total/NA	Solid	Total BTEX	
890-1360-11	BH-18 (4)	Total/NA	Solid	Total BTEX	
890-1360-12	BH-19 (4)	Total/NA	Solid	Total BTEX	
890-1360-13	BH-20 (2)	Total/NA	Solid	Total BTEX	
890-1360-14	BH-21 (5)	Total/NA	Solid	Total BTEX	
890-1360-15	BH-22 (6)	Total/NA	Solid	Total BTEX	
890-1360-16	BH-23 (6)	Total/NA	Solid	Total BTEX	
890-1360-17	BH-24 (6)	Total/NA	Solid	Total BTEX	
890-1360-18	BH-25 (6)	Total/NA	Solid	Total BTEX	
890-1360-19	BH-26 (8)	Total/NA	Solid	Total BTEX	
890-1360-20	BH-27 (8)	Total/NA	Solid	Total BTEX	

Analysis Batch: 9276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-41	SW-24 (6)	Total/NA	Solid	Total BTEX	
890-1360-42	SW-25 (6)	Total/NA	Solid	Total BTEX	
890-1360-43	SW-26 (6)	Total/NA	Solid	Total BTEX	
890-1360-44	SW-27 (8)	Total/NA	Solid	Total BTEX	
890-1360-45	SW-28 (8)	Total/NA	Solid	Total BTEX	
890-1360-46	SW-29 (8)	Total/NA	Solid	Total BTEX	
890-1360-47	SW-30 (8)	Total/NA	Solid	Total BTEX	
890-1360-48	SW-31 (8)	Total/NA	Solid	Total BTEX	
890-1360-50	SW-33 (6)	Total/NA	Solid	Total BTEX	
890-1360-51	SW-34 (4)	Total/NA	Solid	Total BTEX	
890-1360-52	SW-35 (2)	Total/NA	Solid	Total BTEX	
890-1360-53	SW-36 (2)	Total/NA	Solid	Total BTEX	

Analysis Batch: 9280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-21	BH-28 (4)	Total/NA	Solid	Total BTEX	
890-1360-22	BH-29 (4)	Total/NA	Solid	Total BTEX	
890-1360-23	BH-30 (4)	Total/NA	Solid	Total BTEX	
890-1360-24	BH-31 (4)	Total/NA	Solid	Total BTEX	
890-1360-25	BH-32 (2)	Total/NA	Solid	Total BTEX	
890-1360-26	BH-33 (2)	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 9280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-27	BH-34 (2)	Total/NA	Solid	Total BTEX	
890-1360-28	BH-35 (2)	Total/NA	Solid	Total BTEX	
890-1360-29	BH-36 (2)	Total/NA	Solid	Total BTEX	
890-1360-30	BH-37 (2)	Total/NA	Solid	Total BTEX	
890-1360-31	BH-38 (2)	Total/NA	Solid	Total BTEX	
890-1360-32	BH-39 (2)	Total/NA	Solid	Total BTEX	
890-1360-33	BH-40 (2)	Total/NA	Solid	Total BTEX	
890-1360-34	BH-41 (2)	Total/NA	Solid	Total BTEX	
890-1360-35	SW-12 (4)	Total/NA	Solid	Total BTEX	
890-1360-36	SW-13 (2)	Total/NA	Solid	Total BTEX	
890-1360-37	SW-14 (4)	Total/NA	Solid	Total BTEX	
890-1360-38	SW-15 (6)	Total/NA	Solid	Total BTEX	
890-1360-39	SW-16 (5)	Total/NA	Solid	Total BTEX	
890-1360-40	SW-17 (6)	Total/NA	Solid	Total BTEX	

Analysis Batch: 9792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-49	SW-32 (8)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 9088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-47	SW-30 (8)	Total/NA	Solid	8015B NM	9093
890-1360-48	SW-31 (8)	Total/NA	Solid	8015B NM	9093
890-1360-49	SW-32 (8)	Total/NA	Solid	8015B NM	9093
MB 880-9093/1-A	Method Blank	Total/NA	Solid	8015B NM	9093
LCS 880-9093/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9093
LCSD 880-9093/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9093
880-6967-A-6-C MS	Matrix Spike	Total/NA	Solid	8015B NM	9093
880-6967-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	9093

Prep Batch: 9093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-47	SW-30 (8)	Total/NA	Solid	8015NM Prep	
890-1360-48	SW-31 (8)	Total/NA	Solid	8015NM Prep	
890-1360-49	SW-32 (8)	Total/NA	Solid	8015NM Prep	
MB 880-9093/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9093/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9093/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6967-A-6-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6967-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 9140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-1	BH-6 (4)	Total/NA	Solid	8015NM Prep	
890-1360-2	BH-7 (4)	Total/NA	Solid	8015NM Prep	
890-1360-3	BH-8 (4)	Total/NA	Solid	8015NM Prep	
890-1360-4	BH-9 (4)	Total/NA	Solid	8015NM Prep	
890-1360-5	BH-10 (4)	Total/NA	Solid	8015NM Prep	
890-1360-6	BH-13 (4)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC Semi VOA (Continued)

Prep Batch: 9140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-7	BH-14 (4)	Total/NA	Solid	8015NM Prep	
890-1360-8	BH-15 (4)	Total/NA	Solid	8015NM Prep	
890-1360-9	BH-16 (4)	Total/NA	Solid	8015NM Prep	
890-1360-10	BH-17 (4)	Total/NA	Solid	8015NM Prep	
890-1360-11	BH-18 (4)	Total/NA	Solid	8015NM Prep	
890-1360-12	BH-19 (4)	Total/NA	Solid	8015NM Prep	
890-1360-13	BH-20 (2)	Total/NA	Solid	8015NM Prep	
890-1360-14	BH-21 (5)	Total/NA	Solid	8015NM Prep	
890-1360-15	BH-22 (6)	Total/NA	Solid	8015NM Prep	
890-1360-16	BH-23 (6)	Total/NA	Solid	8015NM Prep	
890-1360-17	BH-24 (6)	Total/NA	Solid	8015NM Prep	
890-1360-18	BH-25 (6)	Total/NA	Solid	8015NM Prep	
890-1360-19	BH-26 (8)	Total/NA	Solid	8015NM Prep	
890-1360-20	BH-27 (8)	Total/NA	Solid	8015NM Prep	
MB 880-9140/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9140/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9140/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1360-1 MS	BH-6 (4)	Total/NA	Solid	8015NM Prep	
890-1360-1 MSD	BH-6 (4)	Total/NA	Solid	8015NM Prep	

Prep Batch: 9164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-45	SW-28 (8)	Total/NA	Solid	8015NM Prep	
890-1360-46	SW-29 (8)	Total/NA	Solid	8015NM Prep	
890-1360-50	SW-33 (6)	Total/NA	Solid	8015NM Prep	
890-1360-51	SW-34 (4)	Total/NA	Solid	8015NM Prep	
890-1360-52	SW-35 (2)	Total/NA	Solid	8015NM Prep	
890-1360-53	SW-36 (2)	Total/NA	Solid	8015NM Prep	
MB 880-9164/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9164/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9164/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1353-A-1-J MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1353-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 9165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-21	BH-28 (4)	Total/NA	Solid	8015NM Prep	
890-1360-22	BH-29 (4)	Total/NA	Solid	8015NM Prep	
890-1360-23	BH-30 (4)	Total/NA	Solid	8015NM Prep	
890-1360-24	BH-31 (4)	Total/NA	Solid	8015NM Prep	
890-1360-25	BH-32 (2)	Total/NA	Solid	8015NM Prep	
890-1360-26	BH-33 (2)	Total/NA	Solid	8015NM Prep	
890-1360-27	BH-34 (2)	Total/NA	Solid	8015NM Prep	
890-1360-28	BH-35 (2)	Total/NA	Solid	8015NM Prep	
890-1360-29	BH-36 (2)	Total/NA	Solid	8015NM Prep	
890-1360-30	BH-37 (2)	Total/NA	Solid	8015NM Prep	
890-1360-31	BH-38 (2)	Total/NA	Solid	8015NM Prep	
890-1360-32	BH-39 (2)	Total/NA	Solid	8015NM Prep	
890-1360-33	BH-40 (2)	Total/NA	Solid	8015NM Prep	
890-1360-34	BH-41 (2)	Total/NA	Solid	8015NM Prep	
890-1360-35	SW-12 (4)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC Semi VOA (Continued)

Prep Batch: 9165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-36	SW-13 (2)	Total/NA	Solid	8015NM Prep	
MB 880-9165/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9165/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9165/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1360-21 MS	BH-28 (4)	Total/NA	Solid	8015NM Prep	
890-1360-21 MSD	BH-28 (4)	Total/NA	Solid	8015NM Prep	

Prep Batch: 9166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-37	SW-14 (4)	Total/NA	Solid	8015NM Prep	
890-1360-38	SW-15 (6)	Total/NA	Solid	8015NM Prep	
890-1360-39	SW-16 (5)	Total/NA	Solid	8015NM Prep	
890-1360-40	SW-17 (6)	Total/NA	Solid	8015NM Prep	
890-1360-41	SW-24 (6)	Total/NA	Solid	8015NM Prep	
890-1360-42	SW-25 (6)	Total/NA	Solid	8015NM Prep	
890-1360-43	SW-26 (6)	Total/NA	Solid	8015NM Prep	
890-1360-44	SW-27 (8)	Total/NA	Solid	8015NM Prep	
MB 880-9166/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9166/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9166/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1360-37 MS	SW-14 (4)	Total/NA	Solid	8015NM Prep	
890-1360-37 MSD	SW-14 (4)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 9171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-1	BH-6 (4)	Total/NA	Solid	8015B NM	9140
890-1360-2	BH-7 (4)	Total/NA	Solid	8015B NM	9140
890-1360-3	BH-8 (4)	Total/NA	Solid	8015B NM	9140
890-1360-4	BH-9 (4)	Total/NA	Solid	8015B NM	9140
890-1360-5	BH-10 (4)	Total/NA	Solid	8015B NM	9140
890-1360-6	BH-13 (4)	Total/NA	Solid	8015B NM	9140
890-1360-7	BH-14 (4)	Total/NA	Solid	8015B NM	9140
890-1360-8	BH-15 (4)	Total/NA	Solid	8015B NM	9140
890-1360-9	BH-16 (4)	Total/NA	Solid	8015B NM	9140
890-1360-10	BH-17 (4)	Total/NA	Solid	8015B NM	9140
890-1360-11	BH-18 (4)	Total/NA	Solid	8015B NM	9140
890-1360-12	BH-19 (4)	Total/NA	Solid	8015B NM	9140
890-1360-13	BH-20 (2)	Total/NA	Solid	8015B NM	9140
890-1360-14	BH-21 (5)	Total/NA	Solid	8015B NM	9140
890-1360-15	BH-22 (6)	Total/NA	Solid	8015B NM	9140
890-1360-16	BH-23 (6)	Total/NA	Solid	8015B NM	9140
890-1360-17	BH-24 (6)	Total/NA	Solid	8015B NM	9140
890-1360-18	BH-25 (6)	Total/NA	Solid	8015B NM	9140
890-1360-19	BH-26 (8)	Total/NA	Solid	8015B NM	9140
890-1360-20	BH-27 (8)	Total/NA	Solid	8015B NM	9140
MB 880-9140/1-A	Method Blank	Total/NA	Solid	8015B NM	9140
LCS 880-9140/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9140
LCSD 880-9140/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9140
890-1360-1 MS	BH-6 (4)	Total/NA	Solid	8015B NM	9140
890-1360-1 MSD	BH-6 (4)	Total/NA	Solid	8015B NM	9140

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC Semi VOA

Analysis Batch: 9176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-45	SW-28 (8)	Total/NA	Solid	8015B NM	9164
890-1360-46	SW-29 (8)	Total/NA	Solid	8015B NM	9164
890-1360-50	SW-33 (6)	Total/NA	Solid	8015B NM	9164
890-1360-51	SW-34 (4)	Total/NA	Solid	8015B NM	9164
890-1360-52	SW-35 (2)	Total/NA	Solid	8015B NM	9164
890-1360-53	SW-36 (2)	Total/NA	Solid	8015B NM	9164
MB 880-9164/1-A	Method Blank	Total/NA	Solid	8015B NM	9164
LCS 880-9164/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9164
LCSD 880-9164/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9164
890-1353-A-1-J MS	Matrix Spike	Total/NA	Solid	8015B NM	9164
890-1353-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	9164

Analysis Batch: 9178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-21	BH-28 (4)	Total/NA	Solid	8015B NM	9165
890-1360-22	BH-29 (4)	Total/NA	Solid	8015B NM	9165
890-1360-23	BH-30 (4)	Total/NA	Solid	8015B NM	9165
890-1360-24	BH-31 (4)	Total/NA	Solid	8015B NM	9165
890-1360-25	BH-32 (2)	Total/NA	Solid	8015B NM	9165
890-1360-26	BH-33 (2)	Total/NA	Solid	8015B NM	9165
890-1360-27	BH-34 (2)	Total/NA	Solid	8015B NM	9165
890-1360-28	BH-35 (2)	Total/NA	Solid	8015B NM	9165
890-1360-29	BH-36 (2)	Total/NA	Solid	8015B NM	9165
890-1360-30	BH-37 (2)	Total/NA	Solid	8015B NM	9165
890-1360-31	BH-38 (2)	Total/NA	Solid	8015B NM	9165
890-1360-32	BH-39 (2)	Total/NA	Solid	8015B NM	9165
890-1360-33	BH-40 (2)	Total/NA	Solid	8015B NM	9165
890-1360-34	BH-41 (2)	Total/NA	Solid	8015B NM	9165
890-1360-35	SW-12 (4)	Total/NA	Solid	8015B NM	9165
890-1360-36	SW-13 (2)	Total/NA	Solid	8015B NM	9165
MB 880-9165/1-A	Method Blank	Total/NA	Solid	8015B NM	9165
LCS 880-9165/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9165
LCSD 880-9165/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9165
890-1360-21 MS	BH-28 (4)	Total/NA	Solid	8015B NM	9165
890-1360-21 MSD	BH-28 (4)	Total/NA	Solid	8015B NM	9165

Analysis Batch: 9180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-37	SW-14 (4)	Total/NA	Solid	8015B NM	9166
890-1360-38	SW-15 (6)	Total/NA	Solid	8015B NM	9166
890-1360-39	SW-16 (5)	Total/NA	Solid	8015B NM	9166
890-1360-40	SW-17 (6)	Total/NA	Solid	8015B NM	9166
890-1360-41	SW-24 (6)	Total/NA	Solid	8015B NM	9166
890-1360-42	SW-25 (6)	Total/NA	Solid	8015B NM	9166
890-1360-43	SW-26 (6)	Total/NA	Solid	8015B NM	9166
890-1360-44	SW-27 (8)	Total/NA	Solid	8015B NM	9166
MB 880-9166/1-A	Method Blank	Total/NA	Solid	8015B NM	9166
LCS 880-9166/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9166
LCSD 880-9166/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9166
890-1360-37 MS	SW-14 (4)	Total/NA	Solid	8015B NM	9166
890-1360-37 MSD	SW-14 (4)	Total/NA	Solid	8015B NM	9166

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC Semi VOA

Analysis Batch: 9189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-1	BH-6 (4)	Total/NA	Solid	8015 NM	
890-1360-2	BH-7 (4)	Total/NA	Solid	8015 NM	
890-1360-3	BH-8 (4)	Total/NA	Solid	8015 NM	
890-1360-4	BH-9 (4)	Total/NA	Solid	8015 NM	
890-1360-5	BH-10 (4)	Total/NA	Solid	8015 NM	
890-1360-6	BH-13 (4)	Total/NA	Solid	8015 NM	
890-1360-7	BH-14 (4)	Total/NA	Solid	8015 NM	
890-1360-8	BH-15 (4)	Total/NA	Solid	8015 NM	
890-1360-9	BH-16 (4)	Total/NA	Solid	8015 NM	
890-1360-10	BH-17 (4)	Total/NA	Solid	8015 NM	
890-1360-11	BH-18 (4)	Total/NA	Solid	8015 NM	
890-1360-12	BH-19 (4)	Total/NA	Solid	8015 NM	
890-1360-13	BH-20 (2)	Total/NA	Solid	8015 NM	
890-1360-14	BH-21 (5)	Total/NA	Solid	8015 NM	
890-1360-15	BH-22 (6)	Total/NA	Solid	8015 NM	
890-1360-16	BH-23 (6)	Total/NA	Solid	8015 NM	
890-1360-17	BH-24 (6)	Total/NA	Solid	8015 NM	
890-1360-18	BH-25 (6)	Total/NA	Solid	8015 NM	
890-1360-19	BH-26 (8)	Total/NA	Solid	8015 NM	
890-1360-20	BH-27 (8)	Total/NA	Solid	8015 NM	
890-1360-21	BH-28 (4)	Total/NA	Solid	8015 NM	
890-1360-22	BH-29 (4)	Total/NA	Solid	8015 NM	
890-1360-23	BH-30 (4)	Total/NA	Solid	8015 NM	
890-1360-24	BH-31 (4)	Total/NA	Solid	8015 NM	
890-1360-25	BH-32 (2)	Total/NA	Solid	8015 NM	
890-1360-26	BH-33 (2)	Total/NA	Solid	8015 NM	
890-1360-27	BH-34 (2)	Total/NA	Solid	8015 NM	
890-1360-28	BH-35 (2)	Total/NA	Solid	8015 NM	
890-1360-29	BH-36 (2)	Total/NA	Solid	8015 NM	
890-1360-30	BH-37 (2)	Total/NA	Solid	8015 NM	
890-1360-31	BH-38 (2)	Total/NA	Solid	8015 NM	
890-1360-32	BH-39 (2)	Total/NA	Solid	8015 NM	
890-1360-33	BH-40 (2)	Total/NA	Solid	8015 NM	
890-1360-34	BH-41 (2)	Total/NA	Solid	8015 NM	
890-1360-35	SW-12 (4)	Total/NA	Solid	8015 NM	
890-1360-36	SW-13 (2)	Total/NA	Solid	8015 NM	
890-1360-37	SW-14 (4)	Total/NA	Solid	8015 NM	
890-1360-38	SW-15 (6)	Total/NA	Solid	8015 NM	
890-1360-39	SW-16 (5)	Total/NA	Solid	8015 NM	
890-1360-40	SW-17 (6)	Total/NA	Solid	8015 NM	
890-1360-41	SW-24 (6)	Total/NA	Solid	8015 NM	
890-1360-42	SW-25 (6)	Total/NA	Solid	8015 NM	
890-1360-43	SW-26 (6)	Total/NA	Solid	8015 NM	
890-1360-44	SW-27 (8)	Total/NA	Solid	8015 NM	
890-1360-45	SW-28 (8)	Total/NA	Solid	8015 NM	
890-1360-46	SW-29 (8)	Total/NA	Solid	8015 NM	
890-1360-47	SW-30 (8)	Total/NA	Solid	8015 NM	
890-1360-48	SW-31 (8)	Total/NA	Solid	8015 NM	
890-1360-49	SW-32 (8)	Total/NA	Solid	8015 NM	
890-1360-50	SW-33 (6)	Total/NA	Solid	8015 NM	
890-1360-51	SW-34 (4)	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 9189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-52	SW-35 (2)	Total/NA	Solid	8015 NM	
890-1360-53	SW-36 (2)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 9132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-2	BH-7 (4)	Soluble	Solid	DI Leach	
890-1360-3	BH-8 (4)	Soluble	Solid	DI Leach	
890-1360-4	BH-9 (4)	Soluble	Solid	DI Leach	
890-1360-5	BH-10 (4)	Soluble	Solid	DI Leach	
890-1360-6	BH-13 (4)	Soluble	Solid	DI Leach	
890-1360-7	BH-14 (4)	Soluble	Solid	DI Leach	
890-1360-8	BH-15 (4)	Soluble	Solid	DI Leach	
890-1360-9	BH-16 (4)	Soluble	Solid	DI Leach	
890-1360-10	BH-17 (4)	Soluble	Solid	DI Leach	
890-1360-11	BH-18 (4)	Soluble	Solid	DI Leach	
890-1360-12	BH-19 (4)	Soluble	Solid	DI Leach	
890-1360-13	BH-20 (2)	Soluble	Solid	DI Leach	
890-1360-14	BH-21 (5)	Soluble	Solid	DI Leach	
890-1360-15	BH-22 (6)	Soluble	Solid	DI Leach	
890-1360-16	BH-23 (6)	Soluble	Solid	DI Leach	
890-1360-17	BH-24 (6)	Soluble	Solid	DI Leach	
890-1360-18	BH-25 (6)	Soluble	Solid	DI Leach	
890-1360-19	BH-26 (8)	Soluble	Solid	DI Leach	
890-1360-20	BH-27 (8)	Soluble	Solid	DI Leach	
890-1360-21	BH-28 (4)	Soluble	Solid	DI Leach	
MB 880-9132/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9132/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9132/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1360-2 MS	BH-7 (4)	Soluble	Solid	DI Leach	
890-1360-2 MSD	BH-7 (4)	Soluble	Solid	DI Leach	
890-1360-12 MS	BH-19 (4)	Soluble	Solid	DI Leach	
890-1360-12 MSD	BH-19 (4)	Soluble	Solid	DI Leach	

Leach Batch: 9133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-22	BH-29 (4)	Soluble	Solid	DI Leach	
890-1360-23	BH-30 (4)	Soluble	Solid	DI Leach	
890-1360-24	BH-31 (4)	Soluble	Solid	DI Leach	
890-1360-25	BH-32 (2)	Soluble	Solid	DI Leach	
890-1360-26	BH-33 (2)	Soluble	Solid	DI Leach	
890-1360-27	BH-34 (2)	Soluble	Solid	DI Leach	
890-1360-28	BH-35 (2)	Soluble	Solid	DI Leach	
890-1360-29	BH-36 (2)	Soluble	Solid	DI Leach	
890-1360-30	BH-37 (2)	Soluble	Solid	DI Leach	
890-1360-31	BH-38 (2)	Soluble	Solid	DI Leach	
890-1360-32	BH-39 (2)	Soluble	Solid	DI Leach	
890-1360-33	BH-40 (2)	Soluble	Solid	DI Leach	
890-1360-34	BH-41 (2)	Soluble	Solid	DI Leach	
890-1360-35	SW-12 (4)	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 9133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-36	SW-13 (2)	Soluble	Solid	DI Leach	
890-1360-37	SW-14 (4)	Soluble	Solid	DI Leach	
890-1360-38	SW-15 (6)	Soluble	Solid	DI Leach	
890-1360-39	SW-16 (5)	Soluble	Solid	DI Leach	
890-1360-40	SW-17 (6)	Soluble	Solid	DI Leach	
890-1360-41	SW-24 (6)	Soluble	Solid	DI Leach	
MB 880-9133/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9133/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9133/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1360-22 MS	BH-29 (4)	Soluble	Solid	DI Leach	
890-1360-22 MSD	BH-29 (4)	Soluble	Solid	DI Leach	
890-1360-32 MS	BH-39 (2)	Soluble	Solid	DI Leach	
890-1360-32 MSD	BH-39 (2)	Soluble	Solid	DI Leach	

Leach Batch: 9134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-42	SW-25 (6)	Soluble	Solid	DI Leach	
890-1360-43	SW-26 (6)	Soluble	Solid	DI Leach	
890-1360-44	SW-27 (8)	Soluble	Solid	DI Leach	
890-1360-45	SW-28 (8)	Soluble	Solid	DI Leach	
890-1360-46	SW-29 (8)	Soluble	Solid	DI Leach	
890-1360-47	SW-30 (8)	Soluble	Solid	DI Leach	
890-1360-48	SW-31 (8)	Soluble	Solid	DI Leach	
890-1360-49	SW-32 (8)	Soluble	Solid	DI Leach	
MB 880-9134/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9134/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9134/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6817-A-4-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-6817-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 9135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-50	SW-33 (6)	Soluble	Solid	DI Leach	
890-1360-51	SW-34 (4)	Soluble	Solid	DI Leach	
890-1360-52	SW-35 (2)	Soluble	Solid	DI Leach	
890-1360-53	SW-36 (2)	Soluble	Solid	DI Leach	
MB 880-9135/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9135/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9135/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6817-A-6-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-6817-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 9195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-1	BH-6 (4)	Soluble	Solid	DI Leach	
MB 880-9195/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9195/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9195/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1360-1 MS	BH-6 (4)	Soluble	Solid	DI Leach	
890-1360-1 MSD	BH-6 (4)	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

HPLC/IC

Analysis Batch: 9248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-2	BH-7 (4)	Soluble	Solid	300.0	9132
890-1360-3	BH-8 (4)	Soluble	Solid	300.0	9132
890-1360-4	BH-9 (4)	Soluble	Solid	300.0	9132
890-1360-5	BH-10 (4)	Soluble	Solid	300.0	9132
890-1360-6	BH-13 (4)	Soluble	Solid	300.0	9132
890-1360-7	BH-14 (4)	Soluble	Solid	300.0	9132
890-1360-8	BH-15 (4)	Soluble	Solid	300.0	9132
890-1360-9	BH-16 (4)	Soluble	Solid	300.0	9132
890-1360-10	BH-17 (4)	Soluble	Solid	300.0	9132
890-1360-11	BH-18 (4)	Soluble	Solid	300.0	9132
890-1360-12	BH-19 (4)	Soluble	Solid	300.0	9132
890-1360-13	BH-20 (2)	Soluble	Solid	300.0	9132
890-1360-14	BH-21 (5)	Soluble	Solid	300.0	9132
890-1360-15	BH-22 (6)	Soluble	Solid	300.0	9132
890-1360-16	BH-23 (6)	Soluble	Solid	300.0	9132
890-1360-17	BH-24 (6)	Soluble	Solid	300.0	9132
890-1360-18	BH-25 (6)	Soluble	Solid	300.0	9132
890-1360-19	BH-26 (8)	Soluble	Solid	300.0	9132
890-1360-20	BH-27 (8)	Soluble	Solid	300.0	9132
890-1360-21	BH-28 (4)	Soluble	Solid	300.0	9132
MB 880-9132/1-A	Method Blank	Soluble	Solid	300.0	9132
LCS 880-9132/2-A	Lab Control Sample	Soluble	Solid	300.0	9132
LCSD 880-9132/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9132
890-1360-2 MS	BH-7 (4)	Soluble	Solid	300.0	9132
890-1360-2 MSD	BH-7 (4)	Soluble	Solid	300.0	9132
890-1360-12 MS	BH-19 (4)	Soluble	Solid	300.0	9132
890-1360-12 MSD	BH-19 (4)	Soluble	Solid	300.0	9132

Analysis Batch: 9272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-22	BH-29 (4)	Soluble	Solid	300.0	9133
890-1360-23	BH-30 (4)	Soluble	Solid	300.0	9133
890-1360-24	BH-31 (4)	Soluble	Solid	300.0	9133
890-1360-25	BH-32 (2)	Soluble	Solid	300.0	9133
890-1360-26	BH-33 (2)	Soluble	Solid	300.0	9133
890-1360-27	BH-34 (2)	Soluble	Solid	300.0	9133
890-1360-28	BH-35 (2)	Soluble	Solid	300.0	9133
890-1360-29	BH-36 (2)	Soluble	Solid	300.0	9133
890-1360-30	BH-37 (2)	Soluble	Solid	300.0	9133
890-1360-31	BH-38 (2)	Soluble	Solid	300.0	9133
890-1360-32	BH-39 (2)	Soluble	Solid	300.0	9133
890-1360-33	BH-40 (2)	Soluble	Solid	300.0	9133
890-1360-34	BH-41 (2)	Soluble	Solid	300.0	9133
890-1360-35	SW-12 (4)	Soluble	Solid	300.0	9133
890-1360-36	SW-13 (2)	Soluble	Solid	300.0	9133
890-1360-37	SW-14 (4)	Soluble	Solid	300.0	9133
890-1360-38	SW-15 (6)	Soluble	Solid	300.0	9133
890-1360-39	SW-16 (5)	Soluble	Solid	300.0	9133
890-1360-40	SW-17 (6)	Soluble	Solid	300.0	9133
890-1360-41	SW-24 (6)	Soluble	Solid	300.0	9133
MB 880-9133/1-A	Method Blank	Soluble	Solid	300.0	9133

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

HPLC/IC (Continued)

Analysis Batch: 9272 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-9133/2-A	Lab Control Sample	Soluble	Solid	300.0	9133
LCSD 880-9133/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9133
890-1360-22 MS	BH-29 (4)	Soluble	Solid	300.0	9133
890-1360-22 MSD	BH-29 (4)	Soluble	Solid	300.0	9133
890-1360-32 MS	BH-39 (2)	Soluble	Solid	300.0	9133
890-1360-32 MSD	BH-39 (2)	Soluble	Solid	300.0	9133

Analysis Batch: 9274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-42	SW-25 (6)	Soluble	Solid	300.0	9134
890-1360-43	SW-26 (6)	Soluble	Solid	300.0	9134
890-1360-44	SW-27 (8)	Soluble	Solid	300.0	9134
890-1360-45	SW-28 (8)	Soluble	Solid	300.0	9134
890-1360-46	SW-29 (8)	Soluble	Solid	300.0	9134
890-1360-47	SW-30 (8)	Soluble	Solid	300.0	9134
890-1360-48	SW-31 (8)	Soluble	Solid	300.0	9134
890-1360-49	SW-32 (8)	Soluble	Solid	300.0	9134
MB 880-9134/1-A	Method Blank	Soluble	Solid	300.0	9134
LCS 880-9134/2-A	Lab Control Sample	Soluble	Solid	300.0	9134
LCSD 880-9134/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9134
880-6817-A-4-C MS	Matrix Spike	Soluble	Solid	300.0	9134
880-6817-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9134

Analysis Batch: 9314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-50	SW-33 (6)	Soluble	Solid	300.0	9135
890-1360-51	SW-34 (4)	Soluble	Solid	300.0	9135
890-1360-52	SW-35 (2)	Soluble	Solid	300.0	9135
890-1360-53	SW-36 (2)	Soluble	Solid	300.0	9135
MB 880-9135/1-A	Method Blank	Soluble	Solid	300.0	9135
LCS 880-9135/2-A	Lab Control Sample	Soluble	Solid	300.0	9135
LCSD 880-9135/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9135
880-6817-A-6-C MS	Matrix Spike	Soluble	Solid	300.0	9135
880-6817-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9135

Analysis Batch: 9363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1360-1	BH-6 (4)	Soluble	Solid	300.0	9195
MB 880-9195/1-A	Method Blank	Soluble	Solid	300.0	9195
LCS 880-9195/2-A	Lab Control Sample	Soluble	Solid	300.0	9195
LCSD 880-9195/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9195
890-1360-1 MS	BH-6 (4)	Soluble	Solid	300.0	9195
890-1360-1 MSD	BH-6 (4)	Soluble	Solid	300.0	9195

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-6 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 16:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 21:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9195	10/11/21 11:20	CH	XEN MID
Soluble	Analysis	300.0		1			9363	10/13/21 09:17	CH	XEN MID

Client Sample ID: BH-7 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 17:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 22:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 08:44	CH	XEN MID

Client Sample ID: BH-8 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 17:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 22:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 09:13	CH	XEN MID

Client Sample ID: BH-9 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 18:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-9 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 23:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 09:20	CH	XEN MID

Client Sample ID: BH-10 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 18:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 23:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 09:27	CH	XEN MID

Client Sample ID: BH-13 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 19:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 23:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 09:35	CH	XEN MID

Client Sample ID: BH-14 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 19:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 00:12	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-14 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 09:56	CH	XEN MID

Client Sample ID: BH-15 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 19:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 00:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 10:04	CH	XEN MID

Client Sample ID: BH-16 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 20:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 00:54	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 10:11	CH	XEN MID

Client Sample ID: BH-17 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 20:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 01:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 10:18	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-18 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 22:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 01:57	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 10:25	CH	XEN MID

Client Sample ID: BH-19 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 22:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 02:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 10:32	CH	XEN MID

Client Sample ID: BH-20 (2)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 23:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 02:39	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 10:54	CH	XEN MID

Client Sample ID: BH-21 (5)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/11/21 23:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-21 (5)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 03:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 11:01	CH	XEN MID

Client Sample ID: BH-22 (6)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/12/21 00:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 03:22	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 11:22	CH	XEN MID

Client Sample ID: BH-23 (6)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/12/21 08:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 03:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 11:29	CH	XEN MID

Client Sample ID: BH-24 (6)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/12/21 09:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 04:04	AJ	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-24 (6)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 11:37	CH	XEN MID

Client Sample ID: BH-25 (6)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/12/21 09:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 04:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 11:44	CH	XEN MID

Client Sample ID: BH-26 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/12/21 10:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 04:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 11:51	CH	XEN MID

Client Sample ID: BH-27 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9102	10/08/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9192	10/12/21 10:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9271	10/12/21 08:40	MR	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9140	10/08/21 16:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/11/21 05:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 11:58	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-28 (4)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/11/21 22:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 11:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9132	10/08/21 15:47	CH	XEN MID
Soluble	Analysis	300.0		1			9248	10/12/21 12:14	CH	XEN MID

Client Sample ID: BH-29 (4)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/11/21 23:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 18:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 09:58	CH	XEN MID

Client Sample ID: BH-30 (4)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/11/21 23:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 19:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 10:15	CH	XEN MID

Client Sample ID: BH-31 (4)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/11/21 23:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-31 (4)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 19:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 10:20	CH	XEN MID

Client Sample ID: BH-32 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 00:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 19:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 10:26	CH	XEN MID

Client Sample ID: BH-33 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 00:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 14:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 10:32	CH	XEN MID

Client Sample ID: BH-34 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 00:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 14:46	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-34 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 10:49	CH	XEN MID

Client Sample ID: BH-35 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 01:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 15:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 10:54	CH	XEN MID

Client Sample ID: BH-36 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 01:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 15:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 11:00	CH	XEN MID

Client Sample ID: BH-37 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 01:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 15:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 11:05	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-38 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 03:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 16:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 11:11	CH	XEN MID

Client Sample ID: BH-39 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 03:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 16:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 11:17	CH	XEN MID

Client Sample ID: BH-40 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 03:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 17:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 11:33	CH	XEN MID

Client Sample ID: BH-41 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 04:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: BH-41 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 11:39	CH	XEN MID

Client Sample ID: SW-12 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 04:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 11:56	CH	XEN MID

Client Sample ID: SW-13 (2)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 04:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9165	10/09/21 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9178	10/11/21 18:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 12:02	CH	XEN MID

Client Sample ID: SW-14 (4)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 05:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9166	10/09/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9180	10/11/21 12:06	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-14 (4)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 12:07	CH	XEN MID

Client Sample ID: SW-15 (6)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 05:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9166	10/09/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9180	10/11/21 13:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 12:13	CH	XEN MID

Client Sample ID: SW-16 (5)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 05:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9166	10/09/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9180	10/11/21 13:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 12:18	CH	XEN MID

Client Sample ID: SW-17 (6)

Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9105	10/08/21 10:19	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9269	10/12/21 06:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9280	10/12/21 09:18	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9166	10/09/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9180	10/11/21 13:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 12:24	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-24 (6)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 07:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9166	10/09/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9180	10/11/21 14:17	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9133	10/08/21 15:48	CH	XEN MID
Soluble	Analysis	300.0		1			9272	10/12/21 12:30	CH	XEN MID

Client Sample ID: SW-25 (6)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 08:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9166	10/09/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9180	10/11/21 14:39	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9134	10/08/21 15:50	CH	XEN MID
Soluble	Analysis	300.0		1			9274	10/12/21 10:56	CH	XEN MID

Client Sample ID: SW-26 (6)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 08:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9166	10/09/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9180	10/11/21 15:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9134	10/08/21 15:50	CH	XEN MID
Soluble	Analysis	300.0		1			9274	10/12/21 11:15	CH	XEN MID

Client Sample ID: SW-27 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 09:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-27 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9166	10/09/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9180	10/11/21 15:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9134	10/08/21 15:50	CH	XEN MID
Soluble	Analysis	300.0		1			9274	10/12/21 11:21	CH	XEN MID

Client Sample ID: SW-28 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 09:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9164	10/09/21 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9176	10/11/21 16:33	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9134	10/08/21 15:50	CH	XEN MID
Soluble	Analysis	300.0		1			9274	10/12/21 11:27	CH	XEN MID

Client Sample ID: SW-29 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 09:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9164	10/09/21 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9176	10/11/21 16:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9134	10/08/21 15:50	CH	XEN MID
Soluble	Analysis	300.0		1			9274	10/12/21 11:34	CH	XEN MID

Client Sample ID: SW-30 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 10:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9093	10/08/21 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9088	10/08/21 20:00	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-30 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	9134	10/08/21 15:50	CH	XEN MID
Soluble	Analysis	300.0		1			9274	10/12/21 11:40	CH	XEN MID

Client Sample ID: SW-31 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 10:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9093	10/08/21 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9088	10/08/21 20:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9134	10/08/21 15:50	CH	XEN MID
Soluble	Analysis	300.0		1			9274	10/12/21 11:46	CH	XEN MID

Client Sample ID: SW-32 (8)
Date Collected: 09/28/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 10:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9792	10/18/21 14:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9093	10/08/21 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9088	10/08/21 20:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9134	10/08/21 15:50	CH	XEN MID
Soluble	Analysis	300.0		1			9274	10/12/21 11:52	CH	XEN MID

Client Sample ID: SW-33 (6)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 11:05	KL	XEN MID
Total/NA	Prep	5035			5.02 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 12:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9164	10/09/21 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9176	10/11/21 17:16	AJ	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Client Sample ID: SW-33 (6)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	9135	10/08/21 15:52	CH	XEN MID
Soluble	Analysis	300.0		1			9314	10/12/21 18:48	CH	XEN MID

Client Sample ID: SW-34 (4)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 12:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9164	10/09/21 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9176	10/11/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9135	10/08/21 15:52	CH	XEN MID
Soluble	Analysis	300.0		1			9314	10/12/21 18:54	CH	XEN MID

Client Sample ID: SW-35 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 13:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9164	10/09/21 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9176	10/11/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9135	10/08/21 15:52	CH	XEN MID
Soluble	Analysis	300.0		1			9314	10/12/21 19:11	CH	XEN MID

Client Sample ID: SW-36 (2)
Date Collected: 10/04/21 00:00
Date Received: 10/05/21 09:25

Lab Sample ID: 890-1360-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9106	10/08/21 10:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9270	10/12/21 13:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9276	10/12/21 09:02	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9164	10/09/21 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9176	10/11/21 18:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	9135	10/08/21 15:52	CH	XEN MID
Soluble	Analysis	300.0		1			9314	10/12/21 19:16	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

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	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1360-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1360-1	BH-6 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-2	BH-7 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-3	BH-8 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-4	BH-9 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-5	BH-10 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-6	BH-13 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-7	BH-14 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-8	BH-15 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-9	BH-16 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-10	BH-17 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-11	BH-18 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-12	BH-19 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-13	BH-20 (2)	Solid	09/28/21 00:00	10/05/21 09:25	2
890-1360-14	BH-21 (5)	Solid	09/28/21 00:00	10/05/21 09:25	5
890-1360-15	BH-22 (6)	Solid	09/28/21 00:00	10/05/21 09:25	6
890-1360-16	BH-23 (6)	Solid	09/28/21 00:00	10/05/21 09:25	6
890-1360-17	BH-24 (6)	Solid	09/28/21 00:00	10/05/21 09:25	6
890-1360-18	BH-25 (6)	Solid	09/28/21 00:00	10/05/21 09:25	6
890-1360-19	BH-26 (8)	Solid	09/28/21 00:00	10/05/21 09:25	8
890-1360-20	BH-27 (8)	Solid	09/28/21 00:00	10/05/21 09:25	8
890-1360-21	BH-28 (4)	Solid	10/04/21 00:00	10/05/21 09:25	4
890-1360-22	BH-29 (4)	Solid	10/04/21 00:00	10/05/21 09:25	4
890-1360-23	BH-30 (4)	Solid	10/04/21 00:00	10/05/21 09:25	4
890-1360-24	BH-31 (4)	Solid	10/04/21 00:00	10/05/21 09:25	4
890-1360-25	BH-32 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-26	BH-33 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-27	BH-34 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-28	BH-35 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-29	BH-36 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-30	BH-37 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-31	BH-38 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-32	BH-39 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-33	BH-40 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-34	BH-41 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-35	SW-12 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-36	SW-13 (2)	Solid	09/28/21 00:00	10/05/21 09:25	2
890-1360-37	SW-14 (4)	Solid	09/28/21 00:00	10/05/21 09:25	4
890-1360-38	SW-15 (6)	Solid	09/28/21 00:00	10/05/21 09:25	6
890-1360-39	SW-16 (5)	Solid	09/28/21 00:00	10/05/21 09:25	5
890-1360-40	SW-17 (6)	Solid	09/28/21 00:00	10/05/21 09:25	6
890-1360-41	SW-24 (6)	Solid	09/28/21 00:00	10/05/21 09:25	6
890-1360-42	SW-25 (6)	Solid	09/28/21 00:00	10/05/21 09:25	6
890-1360-43	SW-26 (6)	Solid	09/28/21 00:00	10/05/21 09:25	6
890-1360-44	SW-27 (8)	Solid	09/28/21 00:00	10/05/21 09:25	8
890-1360-45	SW-28 (8)	Solid	09/28/21 00:00	10/05/21 09:25	8
890-1360-46	SW-29 (8)	Solid	09/28/21 00:00	10/05/21 09:25	8
890-1360-47	SW-30 (8)	Solid	09/28/21 00:00	10/05/21 09:25	8
890-1360-48	SW-31 (8)	Solid	09/28/21 00:00	10/05/21 09:25	8
890-1360-49	SW-32 (8)	Solid	09/28/21 00:00	10/05/21 09:25	8
890-1360-50	SW-33 (6)	Solid	10/04/21 00:00	10/05/21 09:25	6
890-1360-51	SW-34 (4)	Solid	10/04/21 00:00	10/05/21 09:25	4
890-1360-52	SW-35 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2
890-1360-53	SW-36 (2)	Solid	10/04/21 00:00	10/05/21 09:25	2

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

Client Name: Solaris	Site Manager: Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins 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 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-6 (4')	9/28/2021			X				X					X		X												X							
	BH-7 (4')	9/28/2021			X				X					X		X												X							
	BH-8 (4')	9/28/2021			X				X					X		X												X							
	BH-9 (4')	9/28/2021			X				X					X		X												X							
	BH-10 (4')	9/28/2021			X				X					X		X												X							
	BH-13 (4')	9/28/2021			X				X					X		X												X							
	BH-14 (4')	9/28/2021			X				X					X		X												X							
	BH-15 (4')	9/28/2021			X				X					X		X												X							
	BH-16 (4')	9/28/2021			X				X					X		X												X							
	BH-17 (4')	9/28/2021			X				X					X		X												X							

Relinquished by: Ezequiel Moreno	Date: 10/5/21	Time: 9:23	Received by: Clue Culp
Relinquished by:	Date:	Time:	Received by: Date: 10.5.21 Time: 0925
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature 2.4 2.2

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

Client Name:	Solaris	Site Manager:	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	Project #:	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins 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	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-18 (4')	9/28/2021			X				X					X		X												X								
	BH-19 (4')	9/28/2021			X				X					X		X												X								
	BH-20 (2')	9/28/2021			X				X					X		X												X								
	BH-21 (5')	9/28/2021			X				X					X		X												X								
	BH-22 (6')	9/28/2021			X				X					X		X												X								
	BH-23 (6')	9/28/2021			X				X					X		X												X								
	BH-24 (6')	9/28/2021			X				X					X		X												X								
	BH-25 (6')	9/28/2021			X				X					X		X												X								
	BH-26 (8')	9/28/2021			X				X					X		X												X								
	BH-27 (8')	9/28/2021			X				X					X		X												X								

Relinquished by:	Date: 10/15/21	Time: 9:23	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: Date: 10.5.21 Time: 0925

LAB USE ONLY

Sample Temperature Pg1

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins 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 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-28 (4')	10/4/2021			X				X					X		X												X							
	BH-29 (4')	10/4/2021			X				X					X		X												X							
	BH-30 (4')	10/4/2021			X				X					X		X												X							
	BH-31 (4')	10/4/2021			X				X					X		X												X							
	BH-32 (2')	10/4/2021			X				X					X		X												X							
	BH-33 (2')	10/4/2021			X				X					X		X												X							
	BH-34 (2')	10/4/2021			X				X					X		X												X							
	BH-35 (2')	10/4/2021			X				X					X		X												X							
	BH-36 (2')	10/4/2021			X				X					X		X												X							
	BH-37 (2')	10/4/2021			X				X					X		X												X							

Relinquished by: Ezequiel Moreno	Date: 10/5/21	Time: 9:23	Received by: Cue Cruz
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 10.5.21 Time: 0925

LAB USE ONLY
Sample Temperature

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins 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 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-38 (2')	10/4/2021			X				X				X		X												X							
	BH-39 (2')	10/4/2021			X				X				X		X												X							
	BH-40 (2')	10/4/2021			X				X				X		X												X							
	BH-41 (2')	10/4/2021			X				X				X		X												X							
	SW-12 (4')	9/28/2021			X				X				X		X												X							
	SW-13 (2')	9/28/2021			X				X				X		X												X							
	SW-14 (4')	9/28/2021			X				X				X		X												X							
	SW-15 (6')	9/28/2021			X				X				X		X												X							
	SW-16 (5')	9/28/2021			X				X				X		X												X							
	SW-17 (6')	9/28/2021			X				X				X		X												X							

Relinquished by: Ezequiel Moreno	Date: 10/5/21	Time: 9:23	Received by: Cloe Cuff Date: 10.5.21 Time: 0925
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins 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	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-24 (6')	9/28/2021			X				X					X		X													X							
	SW-25 (6')	9/28/2021			X				X					X		X													X							
	SW-26 (6')	9/28/2021			X				X					X		X													X							
	SW-27 (8')	9/28/2021			X				X					X		X													X							
	SW-28 (8')	9/28/2021			X				X					X		X													X							
	SW-29 (8')	9/28/2021			X				X					X		X													X							
	SW-30 (8')	9/28/2021			X				X					X		X													X							
	SW-31 (8')	9/28/2021			X				X					X		X													X							
	SW-32 (8')	9/28/2021			X				X					X		X													X							
	SW-33 (6')	10/4/2021			X				X					X		X													X							

Relinquished by: [signature]	Date: 10/5/21	Time: 9:23	Received by: [signature]
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins Xenco	**Sampler Signature:** Ezequiel Moreno
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	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-34 (4')	10/4/2021			X				X					X		X													X						
	SW-35 (2')	10/4/2021			X				X					X		X													X						
	SW-36 (2')	10/4/2021			X				X					X		X													X						

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Ezequiel Moreno	10/5/21	9:23	Dee Cruz	10.5.21	0925
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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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: 890-446 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1360-1
Address: 1211 W Florida Ave	Due Date Requested: 10/11/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH-6 (4) (890-1360-1)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-7 (4) (890-1360-2)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-8 (4) (890-1360-3)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-9 (4) (890-1360-4)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-10 (4) (890-1360-5)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-13 (4) (890-1360-6)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-14 (4) (890-1360-7)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-15 (4) (890-1360-8)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-16 (4) (890-1360-9)	9/28/21	Mountain		Solid			X	X	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
Relinquished by: Cloe Cuff 10.5.21			Received by: Autumn Copeland	10-6-21 11:30 am	
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
		2.1 2.6

Ver: 06/08/2021

Received by OCD: 3/16/2023 8:02:19 AM

Released to Imaging: 4/19/2023 1:58:08 PM

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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: 890-446 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 2 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1360-1
Address: 1211 W Florida Ave	Due Date Requested: 10/11/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note.
			Preservation Code:										
BH-17 (4) (890-1360-10)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-18 (4) (890-1360-11)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-19 (4) (890-1360-12)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-20 (2) (890-1360-13)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-21 (5) (890-1360-14)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-22 (6) (890-1360-15)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-23 (6) (890-1360-16)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-24 (6) (890-1360-17)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-25 (6) (890-1360-18)	9/28/21	Mountain		Solid			X	X	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	Cruz Cruz 10.5.21				10-6-21 11:30 AM	
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: 2.1 2.6

Ver: 06/08/2021

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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: 890-446 3
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 3 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1360-1
Address: 1211 W Florida Ave	Due Date Requested: 10/11/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH-26 (8) (890-1360-19)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-27 (8) (890-1360-20)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
BH-28 (4) (890-1360-21)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-29 (4) (890-1360-22)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-30 (4) (890-1360-23)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-31 (4) (890-1360-24)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-32 (2) (890-1360-25)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-33 (2) (890-1360-26)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-34 (2) (890-1360-27)	10/4/21	Mountain		Solid			X	X	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	[signature] 10.5.21			[signature]	10-6-21 11:30AM	
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: 2.1/2.0

Ver: 06/08/2021

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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: 890-446 4
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 4 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1360-1
Address: 1211 W Florida Ave	Due Date Requested: 10/11/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8016MOD_NM/8016NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
			Preservation Code:										
BH-35 (2) (890-1360-28)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-36 (2) (890-1360-29)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-37 (2) (890-1360-30)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-38 (2) (890-1360-31)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-39 (2) (890-1360-32)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-40 (2) (890-1360-33)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
BH-41 (2) (890-1360-34)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
SW-12 (4) (890-1360-35)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-13 (2) (890-1360-36)	9/28/21	Mountain		Solid			X	X	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 *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *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: Cece Corp 10.5.21	Date/Time:	Company	Received by:	Date/Time: 10-6-21 11:30a.m	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: 2.1, 2.0		

Ver: 06/08/2021

Received by OCD: 3/16/2023 8:02:19 AM

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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: 890-446 5
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 5 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1360-1
Address: 1211 W Florida Ave	Due Date Requested: 10/11/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8016NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
			Preservation Code:										
SW-14 (4) (890-1360-37)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-15 (6) (890-1360-38)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-16 (5) (890-1360-39)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-17 (6) (890-1360-40)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-24 (6) (890-1360-41)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-25 (6) (890-1360-42)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-26 (6) (890-1360-43)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-27 (8) (890-1360-44)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-28 (8) (890-1360-45)	9/28/21	Mountain		Solid			X	X	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: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ 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
Clara Cantu 10.5 Zt				10-6-21 11:30 am	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.1 26

Ver: 06/08/2021

Received by OCD: 3/16/2023 8:02:19 AM

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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: 890-446 6
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 6 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1360-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 10/11/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW-29 (8) (890-1360-46)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-30 (8) (890-1360-47)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-31 (8) (890-1360-48)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-32 (8) (890-1360-49)	9/28/21	Mountain		Solid			X	X	X	X	X	1	
SW-33 (6) (890-1360-50)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
SW-34 (4) (890-1360-51)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
SW-35 (2) (890-1360-52)	10/4/21	Mountain		Solid			X	X	X	X	X	1	
SW-36 (2) (890-1360-53)	10/4/21	Mountain		Solid			X	X	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 10.5.21	Date/Time:	Company	Received by:	Date/Time: 10-11-21 11:30a.m	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: 2.1 12.6

Ver: 06/08/2021

Received by OCD: 3/16/2023 8:02:19 AM

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1360-1
SDG Number: Eddy County

Login Number: 1360
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, 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.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1360-1
SDG Number: Eddy County

Login Number: 1360
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland
List Creation: 10/06/21 11:37 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1 / 2.6
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: 890-1396-1
Laboratory Sample Delivery Group: Eddy County
Client Project/Site: Solaris - Booster Pump 1003

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

Attn: Clair Gonzales

Jkramer

Authorized for release by:
10/13/2021 2:28:37 PM

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

LINKS

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

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

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Laboratory Job ID: 890-1396-1
SDG: Eddy County

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-1396-1
Project/Site: Solaris - Booster Pump 1003 SDG: Eddy County

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

Job ID: 890-1396-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1396-1

Receipt
The samples were received on 10/11/2021 9:30 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 1.4°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8975 and analytical batch 880-9324 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9312 and analytical batch 880-9261 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-9312/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC
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: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

Client Sample ID: SW-39 (3)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 3

Lab Sample ID: 890-1396-1

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		10/11/21 11:00	10/12/21 22:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/12/21 22:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/12/21 22:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 11:00	10/12/21 22:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/12/21 22:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 11:00	10/12/21 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*10/11/21 11:00*	*10/12/21 22:19*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/11/21 11:00*	*10/12/21 22:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/12/21 14:04	10/13/21 04:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/12/21 14:04	10/13/21 04:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/12/21 14:04	10/13/21 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/12/21 14:04*	*10/13/21 04:23*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/12/21 14:04*	*10/13/21 04:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**164**		4.95		mg/Kg			10/12/21 15:13	1

Client Sample ID: SW-41 (3)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 3

Lab Sample ID: 890-1396-2

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		10/11/21 11:00	10/12/21 22:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/12/21 22:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/12/21 22:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 11:00	10/12/21 22:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/12/21 22:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 11:00	10/12/21 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*10/11/21 11:00*	*10/12/21 22:40*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

Client Sample ID: SW-41 (3)
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 3

Lab Sample ID: 890-1396-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*10/11/21 11:00*	*10/12/21 22:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/13/21 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/12/21 14:04	10/13/21 04:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/12/21 14:04	10/13/21 04:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/12/21 14:04	10/13/21 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/12/21 14:04*	*10/13/21 04:43*	*1*
o-Terphenyl	*113*		*70 - 130*	*10/12/21 14:04*	*10/13/21 04:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.0**		4.97		mg/Kg			10/12/21 15:20	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

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)
890-1390-A-1-B MSD	Matrix Spike Duplicate	90	96
890-1390-A-1-F MS	Matrix Spike	74	89
890-1396-1	SW-39 (3)	124	85
890-1396-2	SW-41 (3)	115	91
LCS 880-8975/1-A	Lab Control Sample	96	101
LCSD 880-8975/2-A	Lab Control Sample Dup	82	93
MB 880-8975/5-A	Method Blank	113	109

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)
890-1382-A-1-K MS	Matrix Spike	118	115
890-1382-A-1-L MSD	Matrix Spike Duplicate	118	113
890-1396-1	SW-39 (3)	99	107
890-1396-2	SW-41 (3)	102	113
LCS 880-9312/2-A	Lab Control Sample	92	90
LCSD 880-9312/3-A	Lab Control Sample Dup	101	101
MB 880-9312/1-A	Method Blank	115	133 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8975/5-A
Matrix: Solid
Analysis Batch: 9324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/11/21 11:00	10/12/21 19:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*10/11/21 11:00*	*10/12/21 19:53*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/11/21 11:00*	*10/12/21 19:53*	*1*

Lab Sample ID: LCS 880-8975/1-A
Matrix: Solid
Analysis Batch: 9324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8975

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08714		mg/Kg		87	70 - 130		
Toluene			0.100	0.1017		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1005		mg/Kg		100	70 - 130		
m-Xylene & p-Xylene			0.200	0.1713		mg/Kg		86	70 - 130		
o-Xylene			0.100	0.08029		mg/Kg		80	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-8975/2-A
Matrix: Solid
Analysis Batch: 9324

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8975

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08186		mg/Kg		82	70 - 130	6	35
Toluene			0.100	0.09746		mg/Kg		97	70 - 130	4	35
Ethylbenzene			0.100	0.08894		mg/Kg		89	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.1547		mg/Kg		77	70 - 130	10	35
o-Xylene			0.100	0.07544		mg/Kg		75	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-1390-A-1-B MSD
Matrix: Solid
Analysis Batch: 9324

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.06752	F1	mg/Kg		68	70 - 130	28	35
Toluene	<0.00199	U F1	0.100	0.08128		mg/Kg		81	70 - 130	21	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

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

Lab Sample ID: 890-1390-A-1-B MSD
Matrix: Solid
Analysis Batch: 9324

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	<0.00199	U F1	0.100	0.07810		mg/Kg		78	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1340	F1	mg/Kg		67	70 - 130	16	35
o-Xylene	<0.00199	U F1	0.100	0.06389	F1	mg/Kg		64	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-1390-A-1-F MS
Matrix: Solid
Analysis Batch: 9324

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 8975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.100	0.05117	F1	mg/Kg		51	70 - 130
Toluene	<0.00199	U F1	0.100	0.06554	F1	mg/Kg		65	70 - 130
Ethylbenzene	<0.00199	U F1	0.100	0.06790	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.1146	F1	mg/Kg		57	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.05541	F1	mg/Kg		55	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

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

Lab Sample ID: MB 880-9312/1-A
Matrix: Solid
Analysis Batch: 9261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9312

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		10/12/21 14:04	10/12/21 20:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/12/21 14:04	10/12/21 20:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/12/21 14:04	10/12/21 20:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*10/12/21 14:04*	*10/12/21 20:01*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*10/12/21 14:04*	*10/12/21 20:01*	*1*

Lab Sample ID: LCS 880-9312/2-A
Matrix: Solid
Analysis Batch: 9261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1102		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	973.2		mg/Kg		97	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-9312/2-A
Matrix: Solid
Analysis Batch: 9261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9312

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-9312/3-A
Matrix: Solid
Analysis Batch: 9261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9312

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1032		mg/Kg		103	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	984.4		mg/Kg		98	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 890-1382-A-1-K MS
Matrix: Solid
Analysis Batch: 9261

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 9312

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	997	1314	F1	mg/Kg		132	70 - 130
Diesel Range Organics (Over C10-C28)	124		997	1290		mg/Kg		117	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 890-1382-A-1-L MSD
Matrix: Solid
Analysis Batch: 9261

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 9312

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	1000	1419	F1	mg/Kg		142	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	124		1000	1297		mg/Kg		117	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	113		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9281/1-A
Matrix: Solid
Analysis Batch: 9303

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			10/12/21 12:50	1

Lab Sample ID: LCS 880-9281/2-A
Matrix: Solid
Analysis Batch: 9303

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	246.8		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-9281/3-A
Matrix: Solid
Analysis Batch: 9303

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	254.3		mg/Kg		102	90 - 110	3	20

Lab Sample ID: 880-7069-A-10-E MS
Matrix: Solid
Analysis Batch: 9303

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	20.5		497	547.9		mg/Kg		106	90 - 110		

Lab Sample ID: 880-7069-A-10-F MSD
Matrix: Solid
Analysis Batch: 9303

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	20.5		497	548.0		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

GC VOA

Prep Batch: 8975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1396-1	SW-39 (3)	Total/NA	Solid	5035	
890-1396-2	SW-41 (3)	Total/NA	Solid	5035	
MB 880-8975/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8975/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8975/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1390-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
890-1390-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 9324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1396-1	SW-39 (3)	Total/NA	Solid	8021B	8975
890-1396-2	SW-41 (3)	Total/NA	Solid	8021B	8975
MB 880-8975/5-A	Method Blank	Total/NA	Solid	8021B	8975
LCS 880-8975/1-A	Lab Control Sample	Total/NA	Solid	8021B	8975
LCSD 880-8975/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8975
890-1390-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8975
890-1390-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	8975

Analysis Batch: 9366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1396-1	SW-39 (3)	Total/NA	Solid	Total BTEX	
890-1396-2	SW-41 (3)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 9261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1396-1	SW-39 (3)	Total/NA	Solid	8015B NM	9312
890-1396-2	SW-41 (3)	Total/NA	Solid	8015B NM	9312
MB 880-9312/1-A	Method Blank	Total/NA	Solid	8015B NM	9312
LCS 880-9312/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9312
LCSD 880-9312/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9312
890-1382-A-1-K MS	Matrix Spike	Total/NA	Solid	8015B NM	9312
890-1382-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	9312

Prep Batch: 9312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1396-1	SW-39 (3)	Total/NA	Solid	8015NM Prep	
890-1396-2	SW-41 (3)	Total/NA	Solid	8015NM Prep	
MB 880-9312/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9312/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9312/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1382-A-1-K MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1382-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 9387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1396-1	SW-39 (3)	Total/NA	Solid	8015 NM	
890-1396-2	SW-41 (3)	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

HPLC/IC

Leach Batch: 9281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1396-1	SW-39 (3)	Soluble	Solid	DI Leach	
890-1396-2	SW-41 (3)	Soluble	Solid	DI Leach	
MB 880-9281/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9281/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9281/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7069-A-10-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-7069-A-10-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 9303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1396-1	SW-39 (3)	Soluble	Solid	300.0	9281
890-1396-2	SW-41 (3)	Soluble	Solid	300.0	9281
MB 880-9281/1-A	Method Blank	Soluble	Solid	300.0	9281
LCS 880-9281/2-A	Lab Control Sample	Soluble	Solid	300.0	9281
LCSD 880-9281/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9281
880-7069-A-10-E MS	Matrix Spike	Soluble	Solid	300.0	9281
880-7069-A-10-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9281

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

Client Sample ID: SW-39 (3)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1396-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/12/21 22:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9312	10/12/21 14:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9261	10/13/21 04:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9281	10/12/21 08:19	CH	XEN MID
Soluble	Analysis	300.0		1			9303	10/12/21 15:13	CH	XEN MID

Client Sample ID: SW-41 (3)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1396-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/12/21 22:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 15:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9312	10/12/21 14:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9261	10/13/21 04:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9281	10/12/21 08:19	CH	XEN MID
Soluble	Analysis	300.0		1			9303	10/12/21 15:20	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

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	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Solaris - Booster Pump 1003

Job ID: 890-1396-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1396-1	SW-39 (3)	Solid	10/08/21 00:00	10/11/21 09:30	3
890-1396-2	SW-41 (3)	Solid	10/08/21 00:00	10/11/21 09:30	3

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Analysis Request of Chain of Custody Record

Page 1 of 1

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins Xenco	**Sampler Signature:** Ezequiel Moreno
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	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	BTEX 8260B	Hold
	SW-39 (3')	10/8/2021			X				X					X		X												X							
	SW-41 (3')	10/8/2021			X				X					X		X												X							

890-1396 Chain of Custody

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Eze Moreno	10/11/21	9:27	Cue Cruz	10.11.21	0930
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
1.6
1.4

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Received by OCD: 3/16/2023 8:02:19 AM

Released to Imaging: 4/19/2023 1:58:08 PM

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Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No.: 890-456 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1396-1
Address: 1211 W Florida Ave	Due Date Requested: 10/13/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW-39 (3) (890-1396-1)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-41 (3) (890-1396-2)	10/8/21	Mountain		Solid			X	X	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: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ 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
Dave Cruz 10.11.21	10/12/21 11:30	Xenco			
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: 06/08/2021

Received by OCD: 3/16/2023 8:02:19 AM

Released to Imaging: 4/19/2023 1:58:08 PM

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1396-1
SDG Number: Eddy County

Login Number: 1396
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, 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: 890-1396-1
SDG Number: Eddy County

Login Number: 1396
List Number: 2
Creator: Lowe, Katie

List Source: Eurofins Xenco, Midland
List Creation: 10/12/21 11:30 AM

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: 890-1397-1
Laboratory Sample Delivery Group: Eddy County
Client Project/Site: Booster Pump 1003

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
10/20/2021 2:13:35 PM

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

LINKS

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Visit us at: www.eurofinsus.com/Env

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

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

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Laboratory Job ID: 890-1397-1
SDG: Eddy County

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-1397-1
Project/Site: Booster Pump 1003 SDG: Eddy County

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
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.
*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: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Job ID: 890-1397-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1397-1

Receipt
The samples were received on 10/11/2021 9:30 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 1.4°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9452 and analytical batch 880-9522 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9461 and analytical batch 880-9656 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-42 (6) (890-1397-1), BH-43 (3) (890-1397-2), BH-44 (8) (890-1397-3), BH-46 (9) (890-1397-5), BH-48 (8) (890-1397-7) and BH-52 (3) (890-1397-11). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9464 and 880-9465 and analytical batch 880-9774 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-62 (4) (890-1397-21), SW-46 (10) (890-1397-26), SW-47 (9) (890-1397-27), SW-49 (10) (890-1397-29), SW-57 (8) (890-1397-37), SW-60 (8) (890-1397-40), SW-65 (5) (890-1397-45), (MB 880-9465/5-A), (890-1397-A-21-H MS) and (890-1397-A-21-F MSD). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-9441 and analytical batch 880-9424 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-9457 and analytical batch 880-9574 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-9457/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-9414 and analytical batch 880-9592 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-42 (6)

Lab Sample ID: 890-1397-1
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		10/14/21 12:33	10/19/21 00:58	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		10/14/21 12:33	10/19/21 00:58	1
Ethylbenzene	<0.00198	U F1 F2	0.00198		mg/Kg		10/14/21 12:33	10/19/21 00:58	1
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.00397		mg/Kg		10/14/21 12:33	10/19/21 00:58	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		10/14/21 12:33	10/19/21 00:58	1
Xylenes, Total	<0.00397	U F1	0.00397		mg/Kg		10/14/21 12:33	10/19/21 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*10/14/21 12:33*	*10/19/21 00:58*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/14/21 12:33*	*10/19/21 00:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 13:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 13:51	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/14/21 09:37*	*10/14/21 13:51*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/14/21 09:37*	*10/14/21 13:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**253**		5.00		mg/Kg			10/16/21 16:14	1

Client Sample ID: BH-43 (3)

Lab Sample ID: 890-1397-2
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
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		10/14/21 12:33	10/19/21 01:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 01:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 01:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/21 12:33	10/19/21 01:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 01:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/21 12:33	10/19/21 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*10/14/21 12:33*	*10/19/21 01:19*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-43 (3)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 3

Lab Sample ID: 890-1397-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/14/21 12:33*	*10/19/21 01:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 09:37	10/14/21 14:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 14:53	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/14/21 09:37*	*10/14/21 14:53*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/14/21 09:37*	*10/14/21 14:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		4.95		mg/Kg			10/16/21 16:33	1

Client Sample ID: BH-44 (8)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Lab Sample ID: 890-1397-3

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		10/14/21 12:33	10/19/21 01:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 01:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 01:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/21 12:33	10/19/21 01:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 01:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/21 12:33	10/19/21 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*10/14/21 12:33*	*10/19/21 01:39*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*10/14/21 12:33*	*10/19/21 01:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-44 (8)

Lab Sample ID: 890-1397-3
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 15:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 15:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*10/14/21 09:37*	*10/14/21 15:14*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/14/21 09:37*	*10/14/21 15:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			10/16/21 16:39	1

Client Sample ID: BH-45 (9)

Lab Sample ID: 890-1397-4
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:33	10/19/21 01:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:33	10/19/21 01:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:33	10/19/21 01:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/14/21 12:33	10/19/21 01:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:33	10/19/21 01:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/14/21 12:33	10/19/21 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/14/21 12:33*	*10/19/21 01:59*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*10/14/21 12:33*	*10/19/21 01:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 09:37	10/14/21 15:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 15:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*10/14/21 09:37*	*10/14/21 15:34*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/14/21 09:37*	*10/14/21 15:34*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-45 (9)

Lab Sample ID: 890-1397-4
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 9

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			10/16/21 16:45	1

Client Sample ID: BH-46 (9)

Lab Sample ID: 890-1397-5
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 02:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 02:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 02:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 12:33	10/19/21 02:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 02:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 12:33	10/19/21 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*10/14/21 12:33*	*10/19/21 02:20*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*10/14/21 12:33*	*10/19/21 02:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 15:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 15:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*10/14/21 09:37*	*10/14/21 15:55*	*1*
o-Terphenyl	*77*		*70 - 130*	*10/14/21 09:37*	*10/14/21 15:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			10/16/21 16:51	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-47 (10)

Lab Sample ID: 890-1397-6
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

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		10/14/21 12:33	10/19/21 02:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 02:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 02:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:33	10/19/21 02:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 02:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:33	10/19/21 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*10/14/21 12:33*	*10/19/21 02:40*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*10/14/21 12:33*	*10/19/21 02:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 16:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 16:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*10/14/21 09:37*	*10/14/21 16:15*	*1*
o-Terphenyl	*82*		*70 - 130*	*10/14/21 09:37*	*10/14/21 16:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			10/16/21 16:58	1

Client Sample ID: BH-48 (8)

Lab Sample ID: 890-1397-7
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 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		10/14/21 12:33	10/19/21 03:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 03:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 03:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 12:33	10/19/21 03:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 03:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 12:33	10/19/21 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*10/14/21 12:33*	*10/19/21 03:01*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-48 (8)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 5

Lab Sample ID: 890-1397-7

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/14/21 12:33*	*10/19/21 03:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 16:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 16:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*10/14/21 09:37*	*10/14/21 16:36*	*1*
o-Terphenyl	*86*		*70 - 130*	*10/14/21 09:37*	*10/14/21 16:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			10/16/21 17:04	1

Client Sample ID: BH-49 (5)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 5

Lab Sample ID: 890-1397-8

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		10/14/21 12:33	10/19/21 03:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 03:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 03:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:33	10/19/21 03:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 03:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:33	10/19/21 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*10/14/21 12:33*	*10/19/21 03:21*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/14/21 12:33*	*10/19/21 03:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-49 (5)

Lab Sample ID: 890-1397-8
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 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 *1	49.8		mg/Kg		10/14/21 09:37	10/14/21 16:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 16:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*10/14/21 09:37*	*10/14/21 16:56*	*1*
o-Terphenyl	*90*		*70 - 130*	*10/14/21 09:37*	*10/14/21 16:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			10/16/21 17:10	1

Client Sample ID: BH-50 (5)

Lab Sample ID: 890-1397-9
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
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		10/14/21 12:33	10/19/21 03:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:33	10/19/21 03:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:33	10/19/21 03:41	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/14/21 12:33	10/19/21 03:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:33	10/19/21 03:41	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/14/21 12:33	10/19/21 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/14/21 12:33*	*10/19/21 03:41*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*10/14/21 12:33*	*10/19/21 03:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 17:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 17:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*10/14/21 09:37*	*10/14/21 17:17*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/14/21 09:37*	*10/14/21 17:17*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-50 (5)

Lab Sample ID: 890-1397-9
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3	F1	4.98		mg/Kg			10/16/21 16:47	1

Client Sample ID: BH-51 (3)

Lab Sample ID: 890-1397-10
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
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		10/14/21 12:33	10/19/21 04:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 04:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 04:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/21 12:33	10/19/21 04:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 04:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/21 12:33	10/19/21 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*10/14/21 12:33*	*10/19/21 04:02*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*10/14/21 12:33*	*10/19/21 04:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 09:37	10/14/21 17:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 17:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*10/14/21 09:37*	*10/14/21 17:37*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/14/21 09:37*	*10/14/21 17:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		5.05		mg/Kg			10/16/21 17:04	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-52 (3)

Lab Sample ID: 890-1397-11
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:33	10/19/21 05:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:33	10/19/21 05:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:33	10/19/21 05:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/21 12:33	10/19/21 05:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:33	10/19/21 05:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/21 12:33	10/19/21 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*10/14/21 12:33*	*10/19/21 05:23*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*10/14/21 12:33*	*10/19/21 05:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 18:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/14/21 09:37*	*10/14/21 18:19*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/14/21 09:37*	*10/14/21 18:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.2**		4.97		mg/Kg			10/16/21 17:10	1

Client Sample ID: BH-53 (6)

Lab Sample ID: 890-1397-12
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 05:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 05:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 05:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 12:33	10/19/21 05:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 05:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 12:33	10/19/21 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*10/14/21 12:33*	*10/19/21 05:44*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-53 (6)

Lab Sample ID: 890-1397-12

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30
Sample Depth: 6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*10/14/21 12:33*	*10/19/21 05:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 18:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 18:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*10/14/21 09:37*	*10/14/21 18:39*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/14/21 09:37*	*10/14/21 18:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.8**		4.96		mg/Kg			10/16/21 17:15	1

Client Sample ID: BH-54 (6)

Lab Sample ID: 890-1397-13

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 06:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 06:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 06:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 12:33	10/19/21 06:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 06:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 12:33	10/19/21 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/14/21 12:33*	*10/19/21 06:04*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*10/14/21 12:33*	*10/19/21 06:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-54 (6)

Lab Sample ID: 890-1397-13
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 18:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 18:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*10/14/21 09:37*	*10/14/21 18:59*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/14/21 09:37*	*10/14/21 18:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.5**		4.95		mg/Kg			10/16/21 17:21	1

Client Sample ID: BH-55 (6)

Lab Sample ID: 890-1397-14
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

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		10/14/21 12:33	10/19/21 06:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 06:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 06:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:33	10/19/21 06:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 06:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:33	10/19/21 06:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/14/21 12:33*	*10/19/21 06:25*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/14/21 12:33*	*10/19/21 06:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 09:37	10/14/21 19:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 19:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*10/14/21 09:37*	*10/14/21 19:20*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/14/21 09:37*	*10/14/21 19:20*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-55 (6)

Lab Sample ID: 890-1397-14
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.6		5.04		mg/Kg			10/16/21 17:38	1

Client Sample ID: BH-56 (6)

Lab Sample ID: 890-1397-15
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

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		10/14/21 12:33	10/19/21 06:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 06:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 06:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:33	10/19/21 06:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:33	10/19/21 06:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:33	10/19/21 06:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*10/14/21 12:33*	*10/19/21 06:45*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*10/14/21 12:33*	*10/19/21 06:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 19:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 19:41	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/14/21 09:37*	*10/14/21 19:41*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/14/21 09:37*	*10/14/21 19:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.8		4.95		mg/Kg			10/16/21 17:43	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-57 (6)

Lab Sample ID: 890-1397-16
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 07:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 07:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 07:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 12:33	10/19/21 07:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 07:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 12:33	10/19/21 07:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*10/14/21 12:33*	*10/19/21 07:05*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/14/21 12:33*	*10/19/21 07:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 20:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 20:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*10/14/21 09:37*	*10/14/21 20:02*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/14/21 09:37*	*10/14/21 20:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.0**		4.98		mg/Kg			10/16/21 17:49	1

Client Sample ID: BH-58 (4)

Lab Sample ID: 890-1397-17
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:33	10/19/21 07:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:33	10/19/21 07:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:33	10/19/21 07:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/14/21 12:33	10/19/21 07:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:33	10/19/21 07:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/14/21 12:33	10/19/21 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*10/14/21 12:33*	*10/19/21 07:26*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-58 (4)

Lab Sample ID: 890-1397-17
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/14/21 12:33*	*10/19/21 07:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 09:37	10/14/21 20:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 20:22	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*98*		*70 - 130*	*10/14/21 09:37*	*10/14/21 20:22*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/14/21 09:37*	*10/14/21 20:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.2**		5.00		mg/Kg			10/16/21 17:54	1

Client Sample ID: BH-59 (8)

Lab Sample ID: 890-1397-18
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:33	10/19/21 07:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:33	10/19/21 07:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:33	10/19/21 07:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/21 12:33	10/19/21 07:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:33	10/19/21 07:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/21 12:33	10/19/21 07:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*10/14/21 12:33*	*10/19/21 07:46*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/14/21 12:33*	*10/19/21 07:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-59 (8)

Lab Sample ID: 890-1397-18
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8015B 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		10/14/21 09:37	10/14/21 20:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 20:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 09:37	10/14/21 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/14/21 09:37*	*10/14/21 20:42*	*1*
o-Terphenyl	*98*		*70 - 130*	*10/14/21 09:37*	*10/14/21 20:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**		5.02		mg/Kg			10/16/21 18:00	1

Client Sample ID: BH-60 (8)

Lab Sample ID: 890-1397-19
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 08:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 08:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 08:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 12:33	10/19/21 08:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 08:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 12:33	10/19/21 08:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/14/21 12:33*	*10/19/21 08:07*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/14/21 12:33*	*10/19/21 08:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 21:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 21:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/14/21 09:37*	*10/14/21 21:03*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/14/21 09:37*	*10/14/21 21:03*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-60 (8)

Lab Sample ID: 890-1397-19
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142	F1	5.00		mg/Kg			10/16/21 18:06	1

Client Sample ID: BH-61 (5)

Lab Sample ID: 890-1397-20
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 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		10/14/21 12:33	10/19/21 08:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 08:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 08:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/21 12:33	10/19/21 08:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 08:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/21 12:33	10/19/21 08:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/14/21 12:33*	*10/19/21 08:27*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/14/21 12:33*	*10/19/21 08:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Method: 8015B NM - Diesel 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		10/14/21 09:37	10/14/21 21:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 21:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 09:37	10/14/21 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/14/21 09:37*	*10/14/21 21:24*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/14/21 09:37*	*10/14/21 21:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		4.98		mg/Kg			10/16/21 18:22	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-62 (4)

Lab Sample ID: 890-1397-21
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:40	10/18/21 20:24	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		10/14/21 12:40	10/18/21 20:24	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		10/14/21 12:40	10/18/21 20:24	1
m-Xylene & p-Xylene	<0.00397	U F1	0.00397		mg/Kg		10/14/21 12:40	10/18/21 20:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:40	10/18/21 20:24	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/14/21 12:40	10/18/21 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*234*	*S1+*	*70 - 130*	*10/14/21 12:40*	*10/18/21 20:24*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/14/21 12:40*	*10/18/21 20:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		10/14/21 11:54	10/16/21 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 13:05	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/14/21 11:54*	*10/16/21 13:05*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/14/21 11:54*	*10/16/21 13:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**154**		5.00		mg/Kg			10/16/21 18:28	1

Client Sample ID: SW-40 (5)

Lab Sample ID: 890-1397-22
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:40	10/18/21 20:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:40	10/18/21 20:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:40	10/18/21 20:51	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/14/21 12:40	10/18/21 20:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/14/21 12:40	10/18/21 20:51	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/14/21 12:40	10/18/21 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/14/21 12:40*	*10/18/21 20:51*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-40 (5)

Lab Sample ID: 890-1397-22
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*10/14/21 12:40*	*10/18/21 20:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 11:54	10/16/21 14:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 14:07	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*10/14/21 11:54*	*10/16/21 14:07*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/14/21 11:54*	*10/16/21 14:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		4.95		mg/Kg			10/16/21 18:45	1

Client Sample ID: SW-42 (5)

Lab Sample ID: 890-1397-23
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 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		10/14/21 12:40	10/18/21 21:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 21:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 21:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 12:40	10/18/21 21:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 21:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 12:40	10/18/21 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*10/14/21 12:40*	*10/18/21 21:18*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*10/14/21 12:40*	*10/18/21 21:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-42 (5)

Lab Sample ID: 890-1397-23
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 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	<49.9	U *+	49.9		mg/Kg		10/14/21 11:54	10/16/21 14:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 14:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/14/21 11:54*	*10/16/21 14:27*	*1*
o-Terphenyl	*94*		*70 - 130*	*10/14/21 11:54*	*10/16/21 14:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.2**		4.95		mg/Kg			10/16/21 18:51	1

Client Sample ID: SW-44 (8)

Lab Sample ID: 890-1397-24
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

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		10/14/21 12:40	10/18/21 21:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/18/21 21:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/18/21 21:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/18/21 21:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/18/21 21:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/18/21 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*10/14/21 12:40*	*10/18/21 21:45*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/14/21 12:40*	*10/18/21 21:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 11:54	10/16/21 14:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 14:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/14/21 11:54*	*10/16/21 14:47*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/14/21 11:54*	*10/16/21 14:47*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-44 (8)

Lab Sample ID: 890-1397-24
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.1**		5.02		mg/Kg			10/16/21 18:56	1

Client Sample ID: SW-45 (8)

Lab Sample ID: 890-1397-25
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0450**		0.00200		mg/Kg		10/14/21 12:40	10/18/21 22:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 22:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 22:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/21 12:40	10/18/21 22:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 22:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/21 12:40	10/18/21 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*10/14/21 12:40*	*10/18/21 22:11*	*1*
1,4-Difluorobenzene (Surr)	*58*	*S1-*	*70 - 130*	*10/14/21 12:40*	*10/18/21 22:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0450**		0.00399		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		10/14/21 11:54	10/16/21 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 15:07	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/14/21 11:54*	*10/16/21 15:07*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/14/21 11:54*	*10/16/21 15:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.1**		4.99		mg/Kg			10/16/21 19:02	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-46 (10)

Lab Sample ID: 890-1397-26
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 10

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		10/14/21 12:40	10/18/21 22:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/18/21 22:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/18/21 22:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/18/21 22:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/18/21 22:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/18/21 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/14/21 12:40*	*10/18/21 22:39*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*10/14/21 12:40*	*10/18/21 22:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		10/14/21 11:54	10/16/21 15:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 15:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/14/21 11:54*	*10/16/21 15:27*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/14/21 11:54*	*10/16/21 15:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.8**		4.98		mg/Kg			10/16/21 19:07	1

Client Sample ID: SW-47 (9)

Lab Sample ID: 890-1397-27
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 23:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 23:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 23:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 12:40	10/18/21 23:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 23:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 12:40	10/18/21 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*10/14/21 12:40*	*10/18/21 23:06*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-47 (9)

Lab Sample ID: 890-1397-27

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30
Sample Depth: 9

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/14/21 12:40*	*10/18/21 23:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		10/14/21 11:54	10/16/21 15:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 15:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/14/21 11:54*	*10/16/21 15:47*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/14/21 11:54*	*10/16/21 15:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.2**		4.95		mg/Kg			10/16/21 19:13	1

Client Sample ID: SW-48 (8)

Lab Sample ID: 890-1397-28

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 23:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 23:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 23:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/21 12:40	10/18/21 23:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 23:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/21 12:40	10/18/21 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*10/14/21 12:40*	*10/18/21 23:32*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*10/14/21 12:40*	*10/18/21 23:32*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-48 (8)

Lab Sample ID: 890-1397-28
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8015B 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		10/14/21 11:54	10/16/21 16:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 16:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/14/21 11:54*	*10/16/21 16:07*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/14/21 11:54*	*10/16/21 16:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.3**		4.96		mg/Kg			10/16/21 19:18	1

Client Sample ID: SW-49 (10)

Lab Sample ID: 890-1397-29
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 10

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		10/14/21 12:40	10/18/21 23:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/18/21 23:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/18/21 23:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/18/21 23:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/18/21 23:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/18/21 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*10/14/21 12:40*	*10/18/21 23:57*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/14/21 12:40*	*10/18/21 23:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		10/14/21 11:54	10/16/21 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/14/21 11:54*	*10/16/21 16:27*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/14/21 11:54*	*10/16/21 16:27*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-49 (10)

Lab Sample ID: 890-1397-29
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 10

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.5		4.98		mg/Kg			10/16/21 20:03	1

Client Sample ID: SW-50 (10)

Lab Sample ID: 890-1397-30
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 10

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		10/14/21 12:40	10/19/21 00:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/19/21 00:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/19/21 00:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/19/21 00:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/19/21 00:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/19/21 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*10/14/21 12:40*	*10/19/21 00:23*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/14/21 12:40*	*10/19/21 00:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 11:54	10/16/21 16:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 16:47	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/14/21 11:54*	*10/16/21 16:47*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/14/21 11:54*	*10/16/21 16:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		5.05		mg/Kg			10/16/21 20:20	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-51 (10)

Lab Sample ID: 890-1397-31
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 10

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		10/14/21 12:40	10/19/21 02:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/19/21 02:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/19/21 02:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/19/21 02:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/19/21 02:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/19/21 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/14/21 12:40*	*10/19/21 02:06*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/14/21 12:40*	*10/19/21 02:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		10/14/21 11:54	10/16/21 17:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 17:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/14/21 11:54*	*10/16/21 17:27*	*1*
o-Terphenyl	*103*		*70 - 130*	*10/14/21 11:54*	*10/16/21 17:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		4.97		mg/Kg			10/16/21 20:26	1

Client Sample ID: SW-52 (9)

Lab Sample ID: 890-1397-32
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 02:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 02:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 02:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 12:40	10/19/21 02:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 02:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 12:40	10/19/21 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*10/14/21 12:40*	*10/19/21 02:31*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-52 (9)

Lab Sample ID: 890-1397-32
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 9

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*10/14/21 12:40*	*10/19/21 02:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		10/14/21 11:54	10/16/21 17:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 17:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*10/14/21 11:54*	*10/16/21 17:46*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/14/21 11:54*	*10/16/21 17:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		4.96		mg/Kg			10/16/21 20:31	1

Client Sample ID: SW-53 (9)

Lab Sample ID: 890-1397-33
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 02:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 02:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 02:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/21 12:40	10/19/21 02:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 02:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/21 12:40	10/19/21 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/14/21 12:40*	*10/19/21 02:58*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/14/21 12:40*	*10/19/21 02:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-53 (9)

Lab Sample ID: 890-1397-33
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		10/14/21 11:54	10/16/21 18:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 18:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/14/21 11:54*	*10/16/21 18:06*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/14/21 11:54*	*10/16/21 18:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.6**		4.95		mg/Kg			10/16/21 20:37	1

Client Sample ID: SW-54 (9)

Lab Sample ID: 890-1397-34
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 9

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		10/14/21 12:40	10/19/21 03:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/19/21 03:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/19/21 03:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/19/21 03:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:40	10/19/21 03:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:40	10/19/21 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/14/21 12:40*	*10/19/21 03:24*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*10/14/21 12:40*	*10/19/21 03:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 11:54	10/16/21 18:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 18:26	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*10/14/21 11:54*	*10/16/21 18:26*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/14/21 11:54*	*10/16/21 18:26*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-54 (9)

Lab Sample ID: 890-1397-34
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 9

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		5.04		mg/Kg			10/16/21 20:54	1

Client Sample ID: SW-55 (4)

Lab Sample ID: 890-1397-35
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 03:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 03:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 03:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 12:40	10/19/21 03:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 03:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 12:40	10/19/21 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/14/21 12:40*	*10/19/21 03:50*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/14/21 12:40*	*10/19/21 03:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		10/14/21 11:54	10/16/21 18:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 18:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*10/14/21 11:54*	*10/16/21 18:46*	*1*
o-Terphenyl	*98*		*70 - 130*	*10/14/21 11:54*	*10/16/21 18:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.1		4.95		mg/Kg			10/16/21 20:59	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-56 (8)

Lab Sample ID: 890-1397-36
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:40	10/19/21 04:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:40	10/19/21 04:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:40	10/19/21 04:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/14/21 12:40	10/19/21 04:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:40	10/19/21 04:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/14/21 12:40	10/19/21 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*10/14/21 12:40*	*10/19/21 04:16*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/14/21 12:40*	*10/19/21 04:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		10/14/21 11:54	10/16/21 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 19:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*10/14/21 11:54*	*10/16/21 19:06*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/14/21 11:54*	*10/16/21 19:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.0**		4.98		mg/Kg			10/16/21 21:05	1

Client Sample ID: SW-57 (8)

Lab Sample ID: 890-1397-37
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:40	10/19/21 04:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:40	10/19/21 04:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:40	10/19/21 04:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/14/21 12:40	10/19/21 04:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:40	10/19/21 04:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/14/21 12:40	10/19/21 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*10/14/21 12:40*	*10/19/21 04:42*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-57 (8)

Lab Sample ID: 890-1397-37
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/14/21 12:40*	*10/19/21 04:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 11:54	10/16/21 19:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 19:26	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/14/21 11:54*	*10/16/21 19:26*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/14/21 11:54*	*10/16/21 19:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.8**		5.00		mg/Kg			10/16/21 21:11	1

Client Sample ID: SW-58 (6)

Lab Sample ID: 890-1397-38
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 05:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 05:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 05:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/21 12:40	10/19/21 05:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 05:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/21 12:40	10/19/21 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/14/21 12:40*	*10/19/21 05:08*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/14/21 12:40*	*10/19/21 05:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-58 (6)

Lab Sample ID: 890-1397-38
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8015B 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		10/14/21 11:54	10/16/21 19:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 19:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 11:54	10/16/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/14/21 11:54*	*10/16/21 19:46*	*1*
o-Terphenyl	*95*		*70 - 130*	*10/14/21 11:54*	*10/16/21 19:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**155**		5.02		mg/Kg			10/16/21 21:16	1

Client Sample ID: SW-59 (6)

Lab Sample ID: 890-1397-39
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 05:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 05:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 05:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/21 12:40	10/19/21 05:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/21 12:40	10/19/21 05:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/21 12:40	10/19/21 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/14/21 12:40*	*10/19/21 05:33*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/14/21 12:40*	*10/19/21 05:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		10/14/21 11:54	10/16/21 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 20:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/14/21 11:54*	*10/16/21 20:06*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/14/21 11:54*	*10/16/21 20:06*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-59 (6)

Lab Sample ID: 890-1397-39
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.8		5.00		mg/Kg			10/16/21 21:22	1

Client Sample ID: SW-60 (8)

Lab Sample ID: 890-1397-40
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 05:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 05:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 05:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 12:40	10/19/21 05:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/19/21 05:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 12:40	10/19/21 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*202*	*S1+*	*70 - 130*	*10/14/21 12:40*	*10/19/21 05:59*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*10/14/21 12:40*	*10/19/21 05:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		10/14/21 11:54	10/16/21 20:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 20:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 11:54	10/16/21 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*10/14/21 11:54*	*10/16/21 20:26*	*1*
o-Terphenyl	*94*		*70 - 130*	*10/14/21 11:54*	*10/16/21 20:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.4		4.98		mg/Kg			10/16/21 21:39	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-61 (8)

Lab Sample ID: 890-1397-41
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0131**	**F1 F2**	0.00198		mg/Kg		10/14/21 12:38	10/19/21 12:36	1
Toluene	**0.00728**	**F1**	0.00198		mg/Kg		10/14/21 12:38	10/19/21 12:36	1
Ethylbenzene	**0.0345**	**F1 F2**	0.00198		mg/Kg		10/14/21 12:38	10/19/21 12:36	1
m-Xylene & p-Xylene	<0.00396	U F1	0.00396		mg/Kg		10/14/21 12:38	10/19/21 12:36	1
o-Xylene	**0.00369**	**F1 F2**	0.00198		mg/Kg		10/14/21 12:38	10/19/21 12:36	1
Xylenes, Total	<0.00396	U F1 F2	0.00396		mg/Kg		10/14/21 12:38	10/19/21 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*10/14/21 12:38*	*10/19/21 12:36*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*10/14/21 12:38*	*10/19/21 12:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0586**		0.00396		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 13:05	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*10/14/21 12:06*	*10/16/21 13:05*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/14/21 12:06*	*10/16/21 13:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**226**		5.00		mg/Kg			10/16/21 21:44	1

Client Sample ID: SW-62 (8)

Lab Sample ID: 890-1397-42
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

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		10/14/21 12:38	10/19/21 13:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/19/21 13:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/19/21 13:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:38	10/19/21 13:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/19/21 13:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:38	10/19/21 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/14/21 12:38*	*10/19/21 13:03*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-62 (8)

Lab Sample ID: 890-1397-42
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*10/14/21 12:38*	*10/19/21 13:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 12:06	10/16/21 14:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 12:06	10/16/21 14:07	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 12:06	10/16/21 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*10/14/21 12:06*	*10/16/21 14:07*	*1*
o-Terphenyl	*88*		*70 - 130*	*10/14/21 12:06*	*10/16/21 14:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		4.95		mg/Kg			10/16/21 22:01	1

Client Sample ID: SW-63 (8)

Lab Sample ID: 890-1397-43
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

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		10/14/21 12:38	10/19/21 13:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/19/21 13:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/19/21 13:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:38	10/19/21 13:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/19/21 13:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:38	10/19/21 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*10/14/21 12:38*	*10/19/21 13:30*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*10/14/21 12:38*	*10/19/21 13:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-63 (8)

Lab Sample ID: 890-1397-43
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 14:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 14:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*10/14/21 12:06*	*10/16/21 14:27*	*1*
o-Terphenyl	*83*		*70 - 130*	*10/14/21 12:06*	*10/16/21 14:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.6**		4.95		mg/Kg			10/16/21 22:07	1

Client Sample ID: SW-64 (5)

Lab Sample ID: 890-1397-44
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 5

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		10/14/21 12:38	10/19/21 14:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/19/21 14:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/19/21 14:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:38	10/19/21 14:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/19/21 14:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:38	10/19/21 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/14/21 12:38*	*10/19/21 14:21*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*10/14/21 12:38*	*10/19/21 14:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 12:06	10/16/21 14:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 12:06	10/16/21 14:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 12:06	10/16/21 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/14/21 12:06*	*10/16/21 14:47*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/14/21 12:06*	*10/16/21 14:47*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-64 (5)

Lab Sample ID: 890-1397-44
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		5.02		mg/Kg			10/16/21 22:12	1

Client Sample ID: SW-65 (5)

Lab Sample ID: 890-1397-45
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 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		10/14/21 12:38	10/19/21 14:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 14:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 14:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/21 12:38	10/19/21 14:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 14:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/21 12:38	10/19/21 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*10/14/21 12:38*	*10/19/21 14:48*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/14/21 12:38*	*10/19/21 14:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 15:07	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/14/21 12:06*	*10/16/21 15:07*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/14/21 12:06*	*10/16/21 15:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		4.99		mg/Kg			10/16/21 22:18	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-66 (5)

Lab Sample ID: 890-1397-46
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 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		10/14/21 12:38	10/19/21 15:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 15:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 15:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 12:38	10/19/21 15:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 15:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 12:38	10/19/21 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/14/21 12:38*	*10/19/21 15:15*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/14/21 12:38*	*10/19/21 15:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/18/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 15:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 15:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*10/14/21 12:06*	*10/16/21 15:27*	*1*
o-Terphenyl	*82*		*70 - 130*	*10/14/21 12:06*	*10/16/21 15:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.6**		4.98		mg/Kg			10/16/21 22:24	1

Client Sample ID: SW-68 (4)

Lab Sample ID: 890-1397-47
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:38	10/19/21 15:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:38	10/19/21 15:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:38	10/19/21 15:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/14/21 12:38	10/19/21 15:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:38	10/19/21 15:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/14/21 12:38	10/19/21 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*10/14/21 12:38*	*10/19/21 15:41*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-68 (4)

Lab Sample ID: 890-1397-47
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*10/14/21 12:38*	*10/19/21 15:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/18/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 15:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 15:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*10/14/21 12:06*	*10/16/21 15:47*	*1*
o-Terphenyl	*79*		*70 - 130*	*10/14/21 12:06*	*10/16/21 15:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.7**		4.95		mg/Kg			10/16/21 22:29	1

Client Sample ID: SW-69 (4)

Lab Sample ID: 890-1397-48
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

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		10/14/21 12:38	10/20/21 09:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/20/21 09:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/20/21 09:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 12:38	10/20/21 09:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 12:38	10/20/21 09:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 12:38	10/20/21 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*10/14/21 12:38*	*10/20/21 09:24*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*10/14/21 12:38*	*10/20/21 09:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-69 (4)

Lab Sample ID: 890-1397-48
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

Method: 8015B 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		10/14/21 12:06	10/16/21 16:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 12:06	10/16/21 16:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 12:06	10/16/21 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/14/21 12:06*	*10/16/21 16:07*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/14/21 12:06*	*10/16/21 16:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		4.96		mg/Kg			10/16/21 22:35	1

Client Sample ID: SW-37 (6)

Lab Sample ID: 890-1397-49
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/20/21 09:50	1
Toluene	**0.00225**		0.00200		mg/Kg		10/14/21 12:38	10/20/21 09:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/20/21 09:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 12:38	10/20/21 09:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/20/21 09:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 12:38	10/20/21 09:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*10/14/21 12:38*	*10/20/21 09:50*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*10/14/21 12:38*	*10/20/21 09:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/14/21 12:06*	*10/16/21 16:27*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/14/21 12:06*	*10/16/21 16:27*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-37 (6)

Lab Sample ID: 890-1397-49
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.9		4.95		mg/Kg			10/17/21 22:53	1

Client Sample ID: SW-38 (6)

Lab Sample ID: 890-1397-50
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:38	10/20/21 10:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:38	10/20/21 10:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:38	10/20/21 10:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/14/21 12:38	10/20/21 10:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/21 12:38	10/20/21 10:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/14/21 12:38	10/20/21 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/14/21 12:38*	*10/20/21 10:17*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/14/21 12:38*	*10/20/21 10:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/18/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/21 14:08	1

Method: 8015B 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		10/14/21 12:06	10/16/21 16:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/21 12:06	10/16/21 16:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/21 12:06	10/16/21 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*10/14/21 12:06*	*10/16/21 16:47*	*1*
o-Terphenyl	*88*		*70 - 130*	*10/14/21 12:06*	*10/16/21 16:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.2		5.02		mg/Kg			10/17/21 22:59	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-43 (5)

Lab Sample ID: 890-1397-51
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/21 10:45	10/16/21 16:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/21 10:45	10/16/21 16:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/21 10:45	10/16/21 16:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/14/21 10:45	10/16/21 16:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/21 10:45	10/16/21 16:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/14/21 10:45	10/16/21 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*10/14/21 10:45*	*10/16/21 16:40*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/14/21 10:45*	*10/16/21 16:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/18/21 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 17:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 17:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/21 12:06	10/16/21 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*10/14/21 12:06*	*10/16/21 17:27*	*1*
o-Terphenyl	*86*		*70 - 130*	*10/14/21 12:06*	*10/16/21 17:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		4.99		mg/Kg			10/17/21 23:05	1

Client Sample ID: SW-67 (4)

Lab Sample ID: 890-1397-52
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:45	10/16/21 17:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:45	10/16/21 17:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:45	10/16/21 17:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/21 10:45	10/16/21 17:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:45	10/16/21 17:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/21 10:45	10/16/21 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/14/21 10:45*	*10/16/21 17:01*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-67 (4)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30
Sample Depth: 4

Lab Sample ID: 890-1397-52

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/14/21 10:45*	*10/16/21 17:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/21 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 17:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 17:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/14/21 12:06*	*10/16/21 17:46*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/14/21 12:06*	*10/16/21 17:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		4.98		mg/Kg			10/17/21 23:10	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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)										
890-1383-A-21-C MS	Matrix Spike	106	115										
890-1383-A-21-D MSD	Matrix Spike Duplicate	231 S1+	90										
890-1397-1	BH-42 (6)	142 S1+	85										
890-1397-1 MS	BH-42 (6)	157 S1+	75										
890-1397-1 MSD	BH-42 (6)	145 S1+	87										
890-1397-2	BH-43 (3)	152 S1+	84										
890-1397-3	BH-44 (8)	136 S1+	73										
890-1397-4	BH-45 (9)	103	82										
890-1397-5	BH-46 (9)	135 S1+	73										
890-1397-6	BH-47 (10)	123	74										
890-1397-7	BH-48 (8)	144 S1+	98										
890-1397-8	BH-49 (5)	120	84										
890-1397-9	BH-50 (5)	108	79										
890-1397-10	BH-51 (3)	125	86										
890-1397-11	BH-52 (3)	123	67 S1-										
890-1397-12	BH-53 (6)	120	69 S1-										
890-1397-13	BH-54 (6)	105	91										
890-1397-14	BH-55 (6)	104	95										
890-1397-15	BH-56 (6)	122	73										
890-1397-16	BH-57 (6)	122	84										
890-1397-17	BH-58 (4)	123	100										
890-1397-18	BH-59 (8)	126	96										
890-1397-19	BH-60 (8)	128	97										
890-1397-20	BH-61 (5)	121	101										
890-1397-21	BH-62 (4)	234 S1+	107										
890-1397-21 MS	BH-62 (4)	208 S1+	105										
890-1397-21 MSD	BH-62 (4)	128	141 S1+										
890-1397-22	SW-40 (5)	116	73										
890-1397-23	SW-42 (5)	85	87										
890-1397-24	SW-44 (8)	115	94										
890-1397-25	SW-45 (8)	87	58 S1-										
890-1397-26	SW-46 (10)	95	63 S1-										
890-1397-27	SW-47 (9)	151 S1+	90										
890-1397-28	SW-48 (8)	81	81										
890-1397-29	SW-49 (10)	152 S1+	88										
890-1397-30	SW-50 (10)	89	96										
890-1397-31	SW-51 (10)	111	85										
890-1397-32	SW-52 (9)	123	74										
890-1397-33	SW-53 (9)	90	98										
890-1397-34	SW-54 (9)	107	91										
890-1397-35	SW-55 (4)	116	98										
890-1397-36	SW-56 (8)	88	97										
890-1397-37	SW-57 (8)	154 S1+	97										
890-1397-38	SW-58 (6)	119	97										
890-1397-39	SW-59 (6)	114	88										
890-1397-40	SW-60 (8)	202 S1+	124										
890-1397-41	SW-61 (8)	98	83										
890-1397-41 MSD	SW-61 (8)	104	118										
890-1397-42	SW-62 (8)	99	79										

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1397-1
Project/Site: Booster Pump 1003 SDG: Eddy County

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-1397-43	SW-63 (8)	81	83								
890-1397-44	SW-64 (5)	99	86								
890-1397-45	SW-65 (5)	136 S1+	88								
890-1397-46	SW-66 (5)	121	111								
890-1397-47	SW-68 (4)	84	114								
890-1397-48	SW-69 (4)	71	81								
890-1397-49	SW-37 (6)	73	71								
890-1397-50	SW-38 (6)	118	105								
890-1397-51	SW-43 (5)	120	112								
890-1397-52	SW-67 (4)	104	110								
LCS 880-9452/1-A	Lab Control Sample	89	107								
LCS 880-9461/1-A	Lab Control Sample	109	101								
LCS 880-9464/1-A	Lab Control Sample	77	109								
LCS 880-9465/1-A	Lab Control Sample	99	105								
LCSD 880-9452/2-A	Lab Control Sample Dup	88	100								
LCSD 880-9461/2-A	Lab Control Sample Dup	109	103								
LCSD 880-9464/2-A	Lab Control Sample Dup	77	107								
LCSD 880-9465/2-A	Lab Control Sample Dup	94	107								
MB 880-9452/5-A	Method Blank	101	109								
MB 880-9461/5-A	Method Blank	112	99								
MB 880-9464/5-A	Method Blank	57 S1-	94								
MB 880-9465/5-A	Method Blank	60 S1-	92								
MB 880-9532/5-A	Method Blank	102	107								
MB 880-9636/5-A	Method Blank	112	93								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID										
890-1397-41 MS	SW-61 (8)										

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)								
890-1397-1	BH-42 (6)	92	100								
890-1397-1 MS	BH-42 (6)	92	86								
890-1397-1 MSD	BH-42 (6)	91	84								
890-1397-2	BH-43 (3)	88	96								
890-1397-3	BH-44 (8)	87	92								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1397-1
Project/Site: Booster Pump 1003 SDG: Eddy County

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-1397-4	BH-45 (9)	89	93								
890-1397-5	BH-46 (9)	78	77								
890-1397-6	BH-47 (10)	79	82								
890-1397-7	BH-48 (8)	79	86								
890-1397-8	BH-49 (5)	80	90								
890-1397-9	BH-50 (5)	82	93								
890-1397-10	BH-51 (3)	82	92								
890-1397-11	BH-52 (3)	93	101								
890-1397-12	BH-53 (6)	89	96								
890-1397-13	BH-54 (6)	89	100								
890-1397-14	BH-55 (6)	96	111								
890-1397-15	BH-56 (6)	98	107								
890-1397-16	BH-57 (6)	96	100								
890-1397-17	BH-58 (4)	98	102								
890-1397-18	BH-59 (8)	91	98								
890-1397-19	BH-60 (8)	88	97								
890-1397-20	BH-61 (5)	84	92								
890-1397-21	BH-62 (4)	99	101								
890-1397-21 MS	BH-62 (4)	104	95								
890-1397-21 MSD	BH-62 (4)	106	95								
890-1397-22	SW-40 (5)	96	100								
890-1397-23	SW-42 (5)	92	94								
890-1397-24	SW-44 (8)	92	97								
890-1397-25	SW-45 (8)	105	110								
890-1397-26	SW-46 (10)	104	110								
890-1397-27	SW-47 (9)	107	115								
890-1397-28	SW-48 (8)	99	104								
890-1397-29	SW-49 (10)	103	108								
890-1397-30	SW-50 (10)	91	93								
890-1397-31	SW-51 (10)	100	103								
890-1397-32	SW-52 (9)	97	101								
890-1397-33	SW-53 (9)	92	99								
890-1397-34	SW-54 (9)	96	100								
890-1397-35	SW-55 (4)	96	98								
890-1397-36	SW-56 (8)	94	99								
890-1397-37	SW-57 (8)	103	107								
890-1397-38	SW-58 (6)	91	95								
890-1397-39	SW-59 (6)	103	107								
890-1397-40	SW-60 (8)	89	94								
890-1397-41	SW-61 (8)	94	93								
890-1397-41 MS	SW-61 (8)	104	94								
890-1397-41 MSD	SW-61 (8)	86	78								
890-1397-42	SW-62 (8)	89	88								
890-1397-43	SW-63 (8)	82	83								
890-1397-44	SW-64 (5)	86	87								
890-1397-45	SW-65 (5)	88	87								
890-1397-46	SW-66 (5)	83	82								
890-1397-47	SW-68 (4)	80	79								
890-1397-48	SW-69 (4)	86	87								
890-1397-49	SW-37 (6)	91	92								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1397-1
Project/Site: Booster Pump 1003 SDG: Eddy County

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-1397-50	SW-38 (6)	87	88										
890-1397-51	SW-43 (5)	85	86										
890-1397-52	SW-67 (4)	86	87										
LCS 880-9441/2-A	Lab Control Sample	104	108										
LCS 880-9457/2-A	Lab Control Sample	113	106										
LCS 880-9458/2-A	Lab Control Sample	106	94										
LCSD 880-9441/3-A	Lab Control Sample Dup	83	82										
LCSD 880-9457/3-A	Lab Control Sample Dup	119	120										
LCSD 880-9458/3-A	Lab Control Sample Dup	94	96										
MB 880-9441/1-A	Method Blank	91	104										
MB 880-9457/1-A	Method Blank	119	131 S1+										
MB 880-9458/1-A	Method Blank	95	98										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-9452/5-A
Matrix: Solid
Analysis Batch: 9522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:45	10/16/21 13:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:45	10/16/21 13:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:45	10/16/21 13:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 10:45	10/16/21 13:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:45	10/16/21 13:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 10:45	10/16/21 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/14/21 10:45*	*10/16/21 13:28*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/14/21 10:45*	*10/16/21 13:28*	*1*

Lab Sample ID: LCS 880-9452/1-A
Matrix: Solid
Analysis Batch: 9522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9452

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1109		mg/Kg		111	70 - 130
Toluene	0.100	0.1159		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2200		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1155		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-9452/2-A
Matrix: Solid
Analysis Batch: 9522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9452

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1045		mg/Kg		105	70 - 130	6	35
Toluene	0.100	0.1099		mg/Kg		110	70 - 130	5	35
Ethylbenzene	0.100	0.1111		mg/Kg		111	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2172		mg/Kg		109	70 - 130	1	35
o-Xylene	0.100	0.1149		mg/Kg		115	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-1383-A-21-C MS
Matrix: Solid
Analysis Batch: 9522

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 9452

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1 F2	0.0990	0.04929	F1	mg/Kg		49	70 - 130
Toluene	<0.00200	U F1	0.0990	0.05318	F1	mg/Kg		54	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: 890-1383-A-21-C MS
Matrix: Solid
Analysis Batch: 9522

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 9452

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1 F2	0.0990	0.05533	F1	mg/Kg		55	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.198	0.1097	F1	mg/Kg		55	70 - 130
o-Xylene	<0.00200	U F1 F2	0.0990	0.07653		mg/Kg		76	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 890-1383-A-21-D MSD
Matrix: Solid
Analysis Batch: 9522

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 9452

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.01519	F1 F2	mg/Kg		15	70 - 130	106	35
Toluene	<0.00200	U F1	0.100	0.04473	F1	mg/Kg		45	70 - 130	17	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.02272	F1 F2	mg/Kg		22	70 - 130	84	35
m-Xylene & p-Xylene	<0.00401	U F1	0.201	0.1159	F1	mg/Kg		58	70 - 130	5	35
o-Xylene	<0.00200	U F1 F2	0.100	0.02061	F1 F2	mg/Kg		19	70 - 130	115	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*231*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 880-9461/5-A
Matrix: Solid
Analysis Batch: 9656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 00:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 00:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 00:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 12:33	10/19/21 00:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:33	10/19/21 00:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 12:33	10/19/21 00:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/14/21 12:33*	*10/19/21 00:37*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/14/21 12:33*	*10/19/21 00:37*	*1*

Lab Sample ID: LCS 880-9461/1-A
Matrix: Solid
Analysis Batch: 9656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09674		mg/Kg		97	70 - 130
Toluene	0.100	0.09302		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09056		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-9461/1-A
Matrix: Solid
Analysis Batch: 9656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9461

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.09601		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-9461/2-A
Matrix: Solid
Analysis Batch: 9656

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9461

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1009		mg/Kg		101	70 - 130	4	35
Toluene			0.100	0.09760		mg/Kg		98	70 - 130	5	35
Ethylbenzene			0.100	0.09512		mg/Kg		95	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1993		mg/Kg		100	70 - 130	4	35
o-Xylene			0.100	0.09921		mg/Kg		99	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-1397-1 MS
Matrix: Solid
Analysis Batch: 9656

Client Sample ID: BH-42 (6)
Prep Type: Total/NA
Prep Batch: 9461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U F1	0.100	0.03143	F1	mg/Kg		31	70 - 130		
Toluene	<0.00198	U F1	0.100	0.04368	F1	mg/Kg		43	70 - 130		
Ethylbenzene	<0.00198	U F1 F2	0.100	0.05209	F1	mg/Kg		51	70 - 130		
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.201	0.1106	F1	mg/Kg		54	70 - 130		
o-Xylene	<0.00198	U F1	0.100	0.05931	F1	mg/Kg		58	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*

Lab Sample ID: 890-1397-1 MSD
Matrix: Solid
Analysis Batch: 9656

Client Sample ID: BH-42 (6)
Prep Type: Total/NA
Prep Batch: 9461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.100	0.02199	F1	mg/Kg		22	70 - 130	35	35
Toluene	<0.00198	U F1	0.100	0.03556	F1	mg/Kg		35	70 - 130	21	35
Ethylbenzene	<0.00198	U F1 F2	0.100	0.03476	F1 F2	mg/Kg		34	70 - 130	40	35
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.200	0.07632	F1 F2	mg/Kg		38	70 - 130	37	35
o-Xylene	<0.00198	U F1	0.100	0.04261	F1	mg/Kg		42	70 - 130	33	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: 890-1397-1 MSD
Matrix: Solid
Analysis Batch: 9656

Client Sample ID: BH-42 (6)
Prep Type: Total/NA
Prep Batch: 9461

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-9464/5-A
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 06:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 06:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 06:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 12:38	10/19/21 06:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:38	10/19/21 06:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 12:38	10/19/21 06:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130	10/14/21 12:38	10/19/21 06:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/14/21 12:38	10/19/21 06:27	1

Lab Sample ID: LCS 880-9464/1-A
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9464

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09310		mg/Kg		93	70 - 130		
Toluene			0.100	0.08395		mg/Kg		84	70 - 130		
Ethylbenzene			0.100	0.08094		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene			0.200	0.1561		mg/Kg		78	70 - 130		
o-Xylene			0.100	0.07980		mg/Kg		80	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	77		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-9464/2-A
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9464

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08380		mg/Kg		84	70 - 130	11	35
Toluene			0.100	0.07858		mg/Kg		79	70 - 130	7	35
Ethylbenzene			0.100	0.07734		mg/Kg		77	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1488		mg/Kg		74	70 - 130	5	35
o-Xylene			0.100	0.07615		mg/Kg		76	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	77		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: LCSD 880-9464/2-A
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9464

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

Lab Sample ID: 890-1397-41 MS
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: SW-61 (8)
Prep Type: Total/NA
Prep Batch: 9464

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0131	F1 F2	0.100	0.2267		mg/Kg			
Toluene	0.00728	F1	0.100	0.01842		mg/Kg			
Ethylbenzene	0.0345	F1 F2	0.100	0.01548		mg/Kg			
m-Xylene & p-Xylene	<0.00396	U F1	0.201	0.07920		mg/Kg			

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: 890-1397-41 MSD
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: SW-61 (8)
Prep Type: Total/NA
Prep Batch: 9464

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0131	F1 F2	0.0990	0.03022	F1 F2	mg/Kg		17	70 - 130	153	35
Toluene	0.00728	F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	0.0345	F1 F2	0.0990	0.03586	F1 F2	mg/Kg		1	70 - 130	79	35
m-Xylene & p-Xylene	<0.00396	U F1	0.198	0.07119	F1	mg/Kg		34	70 - 130	11	35
o-Xylene	0.00369	F1 F2	0.0990	0.03764	F1 F2	mg/Kg		34	70 - 130	193	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: MB 880-9465/5-A
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 19:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 19:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 19:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 12:40	10/18/21 19:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 12:40	10/18/21 19:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 12:40	10/18/21 19:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130	10/14/21 12:40	10/18/21 19:57	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/14/21 12:40	10/18/21 19:57	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-9465/1-A
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9465

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09654		mg/Kg		97	70 - 130		
Toluene			0.100	0.08826		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.09842		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.1907		mg/Kg		95	70 - 130		
o-Xylene			0.100	0.09639		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-9465/2-A
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9465

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09655		mg/Kg		97	70 - 130	0	35
Toluene			0.100	0.09617		mg/Kg		96	70 - 130	9	35
Ethylbenzene			0.100	0.09756		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1896		mg/Kg		95	70 - 130	1	35
o-Xylene			0.100	0.09652		mg/Kg		97	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-1397-21 MS
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: BH-62 (4)
Prep Type: Total/NA
Prep Batch: 9465

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U	0.100	0.08473		mg/Kg		85	70 - 130		
Toluene	<0.00198	U F1	0.100	0.07825		mg/Kg		78	70 - 130		
Ethylbenzene	<0.00198	U F1	0.100	0.09356		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene	<0.00397	U F1	0.200	0.1904		mg/Kg		95	70 - 130		
o-Xylene	<0.00198	U	0.100	0.09979		mg/Kg		100	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*208*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-1397-21 MSD
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: BH-62 (4)
Prep Type: Total/NA
Prep Batch: 9465

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.07317		mg/Kg		73	70 - 130	15	35
Toluene	<0.00198	U F1	0.0998	0.06315	F1	mg/Kg		63	70 - 130	21	35
Ethylbenzene	<0.00198	U F1	0.0998	0.06804	F1	mg/Kg		68	70 - 130	32	35

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: 890-1397-21 MSD
Matrix: Solid
Analysis Batch: 9774

Client Sample ID: BH-62 (4)
Prep Type: Total/NA
Prep Batch: 9465

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00397	U F1	0.200	0.1358	F1	mg/Kg		68	70 - 130	34	35
o-Xylene	<0.00198	U	0.0998	0.07741		mg/Kg		78	70 - 130	25	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*141*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-9532/5-A
Matrix: Solid
Analysis Batch: 9522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/21 13:57	10/16/21 01:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/21 13:57	10/16/21 01:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/21 13:57	10/16/21 01:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/15/21 13:57	10/16/21 01:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/21 13:57	10/16/21 01:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/15/21 13:57	10/16/21 01:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/15/21 13:57*	*10/16/21 01:24*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/15/21 13:57*	*10/16/21 01:24*	*1*

Lab Sample ID: MB 880-9636/5-A
Matrix: Solid
Analysis Batch: 9656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9636

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/21 09:47	10/18/21 13:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/21 09:47	10/18/21 13:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/21 09:47	10/18/21 13:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/21 09:47	10/18/21 13:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/21 09:47	10/18/21 13:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/21 09:47	10/18/21 13:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/18/21 09:47*	*10/18/21 13:46*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/18/21 09:47*	*10/18/21 13:46*	*1*

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

Lab Sample ID: MB 880-9441/1-A
Matrix: Solid
Analysis Batch: 9424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9441

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		10/14/21 09:37	10/14/21 12:49	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: MB 880-9441/1-A
Matrix: Solid
Analysis Batch: 9424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9441

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 12:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 09:37	10/14/21 12:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/14/21 09:37*	*10/14/21 12:49*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/14/21 09:37*	*10/14/21 12:49*	*1*

Lab Sample ID: LCS 880-9441/2-A
Matrix: Solid
Analysis Batch: 9424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9441

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	749.7		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	1000	835.5		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: LCSD 880-9441/3-A
Matrix: Solid
Analysis Batch: 9424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9441

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1017	*1	mg/Kg		102	70 - 130	30	20
Diesel Range Organics (Over C10-C28)	1000	953.7		mg/Kg		95	70 - 130	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: 890-1397-1 MS
Matrix: Solid
Analysis Batch: 9424

Client Sample ID: BH-42 (6)
Prep Type: Total/NA
Prep Batch: 9441

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 *1	997	934.6		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	880.5		mg/Kg		88	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: 890-1397-1 MSD
Matrix: Solid
Analysis Batch: 9424

Client Sample ID: BH-42 (6)
Prep Type: Total/NA
Prep Batch: 9441

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 *1	1000	936.1		mg/Kg		91	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	888.1		mg/Kg		89	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: MB 880-9457/1-A
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9457

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		10/14/21 11:54	10/16/21 12:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 12:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 11:54	10/16/21 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*10/14/21 11:54*	*10/16/21 12:04*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*10/14/21 11:54*	*10/16/21 12:04*	*1*

Lab Sample ID: LCS 880-9457/2-A
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9457

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1435	*+	mg/Kg		143	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1123		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: LCSD 880-9457/3-A
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9457

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1367	*+	mg/Kg		137	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1201		mg/Kg		120	70 - 130	7	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: LCSD 880-9457/3-A
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9457

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 890-1397-21 MS
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: BH-62 (4)
Prep Type: Total/NA
Prep Batch: 9457

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 *+	997	1167		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1012		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 890-1397-21 MSD
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: BH-62 (4)
Prep Type: Total/NA
Prep Batch: 9457

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	1000	1179		mg/Kg		75	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1052		mg/Kg		102	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: MB 880-9458/1-A
Matrix: Solid
Analysis Batch: 9576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9458

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		10/14/21 12:06	10/16/21 12:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 12:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/21 12:06	10/16/21 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	10/14/21 12:06	10/16/21 12:04	1
o-Terphenyl	98		70 - 130	10/14/21 12:06	10/16/21 12:04	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-9458/2-A
Matrix: Solid
Analysis Batch: 9576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9458

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	975.9		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	928.3		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: LCSD 880-9458/3-A
Matrix: Solid
Analysis Batch: 9576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9458

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	875.6		mg/Kg		88	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	928.0		mg/Kg		93	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: 890-1397-41 MS
Matrix: Solid
Analysis Batch: 9576

Client Sample ID: SW-61 (8)
Prep Type: Total/NA
Prep Batch: 9458

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	997	1002		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	916.4		mg/Kg		89	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 890-1397-41 MSD
Matrix: Solid
Analysis Batch: 9576

Client Sample ID: SW-61 (8)
Prep Type: Total/NA
Prep Batch: 9458

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	906.7		mg/Kg		88	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	750.8		mg/Kg		72	70 - 130	20	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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

Lab Sample ID: 890-1397-41 MSD
Matrix: Solid
Analysis Batch: 9576

Client Sample ID: SW-61 (8)
Prep Type: Total/NA
Prep Batch: 9458

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	78		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9413/1-A
Matrix: Solid
Analysis Batch: 9591

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			10/16/21 14:02	1

Lab Sample ID: LCS 880-9413/2-A
Matrix: Solid
Analysis Batch: 9591

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	239.9		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-9413/3-A
Matrix: Solid
Analysis Batch: 9591

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	238.9		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-1380-A-5-E MS
Matrix: Solid
Analysis Batch: 9591

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	353		250	614.2		mg/Kg		105	90 - 110		

Lab Sample ID: 890-1380-A-5-F MSD
Matrix: Solid
Analysis Batch: 9591

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	353		250	602.6		mg/Kg		100	90 - 110	2	20

Lab Sample ID: MB 880-9414/1-A
Matrix: Solid
Analysis Batch: 9592

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			10/16/21 16:30	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-9414/2-A
Matrix: Solid
Analysis Batch: 9592

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	253.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-9414/3-A
Matrix: Solid
Analysis Batch: 9592

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	254.6		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-1397-9 MS
Matrix: Solid
Analysis Batch: 9592

Client Sample ID: BH-50 (5)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	12.3	F1	249	216.3	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 890-1397-9 MSD
Matrix: Solid
Analysis Batch: 9592

Client Sample ID: BH-50 (5)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	12.3	F1	249	216.7	F1	mg/Kg		82	90 - 110	0	20

Lab Sample ID: 890-1397-19 MS
Matrix: Solid
Analysis Batch: 9592

Client Sample ID: BH-60 (8)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	142	F1	250	327.1	F1	mg/Kg		74	90 - 110		

Lab Sample ID: 890-1397-19 MSD
Matrix: Solid
Analysis Batch: 9592

Client Sample ID: BH-60 (8)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	142	F1	250	324.7	F1	mg/Kg		73	90 - 110	1	20

Lab Sample ID: MB 880-9415/1-A
Matrix: Solid
Analysis Batch: 9593

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			10/16/21 19:47	1

Lab Sample ID: LCS 880-9415/2-A
Matrix: Solid
Analysis Batch: 9593

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	255.8		mg/Kg		102	90 - 110		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-9415/3-A
Matrix: Solid
Analysis Batch: 9593

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	256.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-1397-29 MS
Matrix: Solid
Analysis Batch: 9593

Client Sample ID: SW-49 (10)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	22.5		249	278.7		mg/Kg		103	90 - 110

Lab Sample ID: 890-1397-29 MSD
Matrix: Solid
Analysis Batch: 9593

Client Sample ID: SW-49 (10)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	22.5		249	279.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-1397-39 MS
Matrix: Solid
Analysis Batch: 9593

Client Sample ID: SW-59 (6)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	58.8		250	318.7		mg/Kg		104	90 - 110

Lab Sample ID: 890-1397-39 MSD
Matrix: Solid
Analysis Batch: 9593

Client Sample ID: SW-59 (6)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	58.8		250	319.9		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-9416/1-A
Matrix: Solid
Analysis Batch: 9633

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			10/17/21 20:33	1

Lab Sample ID: LCS 880-9416/2-A
Matrix: Solid
Analysis Batch: 9633

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	252.0		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-9416/3-A
Matrix: Solid
Analysis Batch: 9633

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	252.8		mg/Kg		101	90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-7154-A-1-B MS
Matrix: Solid
Analysis Batch: 9633

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	18400		5000	23690		mg/Kg		105	90 - 110		

Lab Sample ID: 880-7154-A-1-C MSD
Matrix: Solid
Analysis Batch: 9633

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	18400		5000	23700		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

GC VOA

Prep Batch: 9452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-51	SW-43 (5)	Total/NA	Solid	5035	
890-1397-52	SW-67 (4)	Total/NA	Solid	5035	
MB 880-9452/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9452/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9452/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1383-A-21-C MS	Matrix Spike	Total/NA	Solid	5035	
890-1383-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 9461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-1	BH-42 (6)	Total/NA	Solid	5035	
890-1397-2	BH-43 (3)	Total/NA	Solid	5035	
890-1397-3	BH-44 (8)	Total/NA	Solid	5035	
890-1397-4	BH-45 (9)	Total/NA	Solid	5035	
890-1397-5	BH-46 (9)	Total/NA	Solid	5035	
890-1397-6	BH-47 (10)	Total/NA	Solid	5035	
890-1397-7	BH-48 (8)	Total/NA	Solid	5035	
890-1397-8	BH-49 (5)	Total/NA	Solid	5035	
890-1397-9	BH-50 (5)	Total/NA	Solid	5035	
890-1397-10	BH-51 (3)	Total/NA	Solid	5035	
890-1397-11	BH-52 (3)	Total/NA	Solid	5035	
890-1397-12	BH-53 (6)	Total/NA	Solid	5035	
890-1397-13	BH-54 (6)	Total/NA	Solid	5035	
890-1397-14	BH-55 (6)	Total/NA	Solid	5035	
890-1397-15	BH-56 (6)	Total/NA	Solid	5035	
890-1397-16	BH-57 (6)	Total/NA	Solid	5035	
890-1397-17	BH-58 (4)	Total/NA	Solid	5035	
890-1397-18	BH-59 (8)	Total/NA	Solid	5035	
890-1397-19	BH-60 (8)	Total/NA	Solid	5035	
890-1397-20	BH-61 (5)	Total/NA	Solid	5035	
MB 880-9461/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9461/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9461/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1397-1 MS	BH-42 (6)	Total/NA	Solid	5035	
890-1397-1 MSD	BH-42 (6)	Total/NA	Solid	5035	

Prep Batch: 9464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-41	SW-61 (8)	Total/NA	Solid	5035	
890-1397-42	SW-62 (8)	Total/NA	Solid	5035	
890-1397-43	SW-63 (8)	Total/NA	Solid	5035	
890-1397-44	SW-64 (5)	Total/NA	Solid	5035	
890-1397-45	SW-65 (5)	Total/NA	Solid	5035	
890-1397-46	SW-66 (5)	Total/NA	Solid	5035	
890-1397-47	SW-68 (4)	Total/NA	Solid	5035	
890-1397-48	SW-69 (4)	Total/NA	Solid	5035	
890-1397-49	SW-37 (6)	Total/NA	Solid	5035	
890-1397-50	SW-38 (6)	Total/NA	Solid	5035	
MB 880-9464/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9464/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9464/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

GC VOA (Continued)

Prep Batch: 9464 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-41 MS	SW-61 (8)	Total/NA	Solid	5035	
890-1397-41 MSD	SW-61 (8)	Total/NA	Solid	5035	

Prep Batch: 9465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-21	BH-62 (4)	Total/NA	Solid	5035	
890-1397-22	SW-40 (5)	Total/NA	Solid	5035	
890-1397-23	SW-42 (5)	Total/NA	Solid	5035	
890-1397-24	SW-44 (8)	Total/NA	Solid	5035	
890-1397-25	SW-45 (8)	Total/NA	Solid	5035	
890-1397-26	SW-46 (10)	Total/NA	Solid	5035	
890-1397-27	SW-47 (9)	Total/NA	Solid	5035	
890-1397-28	SW-48 (8)	Total/NA	Solid	5035	
890-1397-29	SW-49 (10)	Total/NA	Solid	5035	
890-1397-30	SW-50 (10)	Total/NA	Solid	5035	
890-1397-31	SW-51 (10)	Total/NA	Solid	5035	
890-1397-32	SW-52 (9)	Total/NA	Solid	5035	
890-1397-33	SW-53 (9)	Total/NA	Solid	5035	
890-1397-34	SW-54 (9)	Total/NA	Solid	5035	
890-1397-35	SW-55 (4)	Total/NA	Solid	5035	
890-1397-36	SW-56 (8)	Total/NA	Solid	5035	
890-1397-37	SW-57 (8)	Total/NA	Solid	5035	
890-1397-38	SW-58 (6)	Total/NA	Solid	5035	
890-1397-39	SW-59 (6)	Total/NA	Solid	5035	
890-1397-40	SW-60 (8)	Total/NA	Solid	5035	
MB 880-9465/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9465/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9465/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1397-21 MS	BH-62 (4)	Total/NA	Solid	5035	
890-1397-21 MSD	BH-62 (4)	Total/NA	Solid	5035	

Analysis Batch: 9522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-51	SW-43 (5)	Total/NA	Solid	8021B	9452
890-1397-52	SW-67 (4)	Total/NA	Solid	8021B	9452
MB 880-9452/5-A	Method Blank	Total/NA	Solid	8021B	9452
MB 880-9532/5-A	Method Blank	Total/NA	Solid	8021B	9532
LCS 880-9452/1-A	Lab Control Sample	Total/NA	Solid	8021B	9452
LCSD 880-9452/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9452
890-1383-A-21-C MS	Matrix Spike	Total/NA	Solid	8021B	9452
890-1383-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	9452

Prep Batch: 9532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-9532/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 9636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-9636/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

GC VOA

Analysis Batch: 9656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-1	BH-42 (6)	Total/NA	Solid	8021B	9461
890-1397-2	BH-43 (3)	Total/NA	Solid	8021B	9461
890-1397-3	BH-44 (8)	Total/NA	Solid	8021B	9461
890-1397-4	BH-45 (9)	Total/NA	Solid	8021B	9461
890-1397-5	BH-46 (9)	Total/NA	Solid	8021B	9461
890-1397-6	BH-47 (10)	Total/NA	Solid	8021B	9461
890-1397-7	BH-48 (8)	Total/NA	Solid	8021B	9461
890-1397-8	BH-49 (5)	Total/NA	Solid	8021B	9461
890-1397-9	BH-50 (5)	Total/NA	Solid	8021B	9461
890-1397-10	BH-51 (3)	Total/NA	Solid	8021B	9461
890-1397-11	BH-52 (3)	Total/NA	Solid	8021B	9461
890-1397-12	BH-53 (6)	Total/NA	Solid	8021B	9461
890-1397-13	BH-54 (6)	Total/NA	Solid	8021B	9461
890-1397-14	BH-55 (6)	Total/NA	Solid	8021B	9461
890-1397-15	BH-56 (6)	Total/NA	Solid	8021B	9461
890-1397-16	BH-57 (6)	Total/NA	Solid	8021B	9461
890-1397-17	BH-58 (4)	Total/NA	Solid	8021B	9461
890-1397-18	BH-59 (8)	Total/NA	Solid	8021B	9461
890-1397-19	BH-60 (8)	Total/NA	Solid	8021B	9461
890-1397-20	BH-61 (5)	Total/NA	Solid	8021B	9461
MB 880-9461/5-A	Method Blank	Total/NA	Solid	8021B	9461
MB 880-9636/5-A	Method Blank	Total/NA	Solid	8021B	9636
LCS 880-9461/1-A	Lab Control Sample	Total/NA	Solid	8021B	9461
LCSD 880-9461/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9461
890-1397-1 MS	BH-42 (6)	Total/NA	Solid	8021B	9461
890-1397-1 MSD	BH-42 (6)	Total/NA	Solid	8021B	9461

Analysis Batch: 9774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-21	BH-62 (4)	Total/NA	Solid	8021B	9465
890-1397-22	SW-40 (5)	Total/NA	Solid	8021B	9465
890-1397-23	SW-42 (5)	Total/NA	Solid	8021B	9465
890-1397-24	SW-44 (8)	Total/NA	Solid	8021B	9465
890-1397-25	SW-45 (8)	Total/NA	Solid	8021B	9465
890-1397-26	SW-46 (10)	Total/NA	Solid	8021B	9465
890-1397-27	SW-47 (9)	Total/NA	Solid	8021B	9465
890-1397-28	SW-48 (8)	Total/NA	Solid	8021B	9465
890-1397-29	SW-49 (10)	Total/NA	Solid	8021B	9465
890-1397-30	SW-50 (10)	Total/NA	Solid	8021B	9465
890-1397-31	SW-51 (10)	Total/NA	Solid	8021B	9465
890-1397-32	SW-52 (9)	Total/NA	Solid	8021B	9465
890-1397-33	SW-53 (9)	Total/NA	Solid	8021B	9465
890-1397-34	SW-54 (9)	Total/NA	Solid	8021B	9465
890-1397-35	SW-55 (4)	Total/NA	Solid	8021B	9465
890-1397-36	SW-56 (8)	Total/NA	Solid	8021B	9465
890-1397-37	SW-57 (8)	Total/NA	Solid	8021B	9465
890-1397-38	SW-58 (6)	Total/NA	Solid	8021B	9465
890-1397-39	SW-59 (6)	Total/NA	Solid	8021B	9465
890-1397-40	SW-60 (8)	Total/NA	Solid	8021B	9465
890-1397-41	SW-61 (8)	Total/NA	Solid	8021B	9464
890-1397-42	SW-62 (8)	Total/NA	Solid	8021B	9464

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 9774 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-43	SW-63 (8)	Total/NA	Solid	8021B	9464
890-1397-44	SW-64 (5)	Total/NA	Solid	8021B	9464
890-1397-45	SW-65 (5)	Total/NA	Solid	8021B	9464
890-1397-46	SW-66 (5)	Total/NA	Solid	8021B	9464
890-1397-47	SW-68 (4)	Total/NA	Solid	8021B	9464
890-1397-48	SW-69 (4)	Total/NA	Solid	8021B	9464
890-1397-49	SW-37 (6)	Total/NA	Solid	8021B	9464
890-1397-50	SW-38 (6)	Total/NA	Solid	8021B	9464
MB 880-9464/5-A	Method Blank	Total/NA	Solid	8021B	9464
MB 880-9465/5-A	Method Blank	Total/NA	Solid	8021B	9465
LCS 880-9464/1-A	Lab Control Sample	Total/NA	Solid	8021B	9464
LCS 880-9465/1-A	Lab Control Sample	Total/NA	Solid	8021B	9465
LCSD 880-9464/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9464
LCSD 880-9465/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9465
890-1397-21 MS	BH-62 (4)	Total/NA	Solid	8021B	9465
890-1397-21 MSD	BH-62 (4)	Total/NA	Solid	8021B	9465
890-1397-41 MS	SW-61 (8)	Total/NA	Solid	8021B	9464
890-1397-41 MSD	SW-61 (8)	Total/NA	Solid	8021B	9464

Analysis Batch: 9796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-51	SW-43 (5)	Total/NA	Solid	Total BTEX	
890-1397-52	SW-67 (4)	Total/NA	Solid	Total BTEX	

Analysis Batch: 9799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-1	BH-42 (6)	Total/NA	Solid	Total BTEX	
890-1397-2	BH-43 (3)	Total/NA	Solid	Total BTEX	
890-1397-3	BH-44 (8)	Total/NA	Solid	Total BTEX	
890-1397-4	BH-45 (9)	Total/NA	Solid	Total BTEX	
890-1397-5	BH-46 (9)	Total/NA	Solid	Total BTEX	
890-1397-6	BH-47 (10)	Total/NA	Solid	Total BTEX	
890-1397-7	BH-48 (8)	Total/NA	Solid	Total BTEX	
890-1397-8	BH-49 (5)	Total/NA	Solid	Total BTEX	
890-1397-9	BH-50 (5)	Total/NA	Solid	Total BTEX	
890-1397-10	BH-51 (3)	Total/NA	Solid	Total BTEX	
890-1397-11	BH-52 (3)	Total/NA	Solid	Total BTEX	
890-1397-12	BH-53 (6)	Total/NA	Solid	Total BTEX	
890-1397-13	BH-54 (6)	Total/NA	Solid	Total BTEX	
890-1397-14	BH-55 (6)	Total/NA	Solid	Total BTEX	
890-1397-15	BH-56 (6)	Total/NA	Solid	Total BTEX	
890-1397-16	BH-57 (6)	Total/NA	Solid	Total BTEX	
890-1397-17	BH-58 (4)	Total/NA	Solid	Total BTEX	
890-1397-18	BH-59 (8)	Total/NA	Solid	Total BTEX	
890-1397-19	BH-60 (8)	Total/NA	Solid	Total BTEX	
890-1397-20	BH-61 (5)	Total/NA	Solid	Total BTEX	
890-1397-21	BH-62 (4)	Total/NA	Solid	Total BTEX	
890-1397-22	SW-40 (5)	Total/NA	Solid	Total BTEX	
890-1397-23	SW-42 (5)	Total/NA	Solid	Total BTEX	
890-1397-24	SW-44 (8)	Total/NA	Solid	Total BTEX	
890-1397-25	SW-45 (8)	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 9799 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-26	SW-46 (10)	Total/NA	Solid	Total BTEX	
890-1397-27	SW-47 (9)	Total/NA	Solid	Total BTEX	
890-1397-28	SW-48 (8)	Total/NA	Solid	Total BTEX	
890-1397-29	SW-49 (10)	Total/NA	Solid	Total BTEX	
890-1397-30	SW-50 (10)	Total/NA	Solid	Total BTEX	
890-1397-31	SW-51 (10)	Total/NA	Solid	Total BTEX	
890-1397-32	SW-52 (9)	Total/NA	Solid	Total BTEX	
890-1397-33	SW-53 (9)	Total/NA	Solid	Total BTEX	
890-1397-34	SW-54 (9)	Total/NA	Solid	Total BTEX	
890-1397-35	SW-55 (4)	Total/NA	Solid	Total BTEX	
890-1397-36	SW-56 (8)	Total/NA	Solid	Total BTEX	
890-1397-37	SW-57 (8)	Total/NA	Solid	Total BTEX	
890-1397-38	SW-58 (6)	Total/NA	Solid	Total BTEX	
890-1397-39	SW-59 (6)	Total/NA	Solid	Total BTEX	
890-1397-40	SW-60 (8)	Total/NA	Solid	Total BTEX	
890-1397-41	SW-61 (8)	Total/NA	Solid	Total BTEX	
890-1397-42	SW-62 (8)	Total/NA	Solid	Total BTEX	
890-1397-43	SW-63 (8)	Total/NA	Solid	Total BTEX	
890-1397-44	SW-64 (5)	Total/NA	Solid	Total BTEX	
890-1397-45	SW-65 (5)	Total/NA	Solid	Total BTEX	
890-1397-46	SW-66 (5)	Total/NA	Solid	Total BTEX	
890-1397-47	SW-68 (4)	Total/NA	Solid	Total BTEX	
890-1397-48	SW-69 (4)	Total/NA	Solid	Total BTEX	
890-1397-49	SW-37 (6)	Total/NA	Solid	Total BTEX	
890-1397-50	SW-38 (6)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 9424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-1	BH-42 (6)	Total/NA	Solid	8015B NM	9441
890-1397-2	BH-43 (3)	Total/NA	Solid	8015B NM	9441
890-1397-3	BH-44 (8)	Total/NA	Solid	8015B NM	9441
890-1397-4	BH-45 (9)	Total/NA	Solid	8015B NM	9441
890-1397-5	BH-46 (9)	Total/NA	Solid	8015B NM	9441
890-1397-6	BH-47 (10)	Total/NA	Solid	8015B NM	9441
890-1397-7	BH-48 (8)	Total/NA	Solid	8015B NM	9441
890-1397-8	BH-49 (5)	Total/NA	Solid	8015B NM	9441
890-1397-9	BH-50 (5)	Total/NA	Solid	8015B NM	9441
890-1397-10	BH-51 (3)	Total/NA	Solid	8015B NM	9441
890-1397-11	BH-52 (3)	Total/NA	Solid	8015B NM	9441
890-1397-12	BH-53 (6)	Total/NA	Solid	8015B NM	9441
890-1397-13	BH-54 (6)	Total/NA	Solid	8015B NM	9441
890-1397-14	BH-55 (6)	Total/NA	Solid	8015B NM	9441
890-1397-15	BH-56 (6)	Total/NA	Solid	8015B NM	9441
890-1397-16	BH-57 (6)	Total/NA	Solid	8015B NM	9441
890-1397-17	BH-58 (4)	Total/NA	Solid	8015B NM	9441
890-1397-18	BH-59 (8)	Total/NA	Solid	8015B NM	9441
890-1397-19	BH-60 (8)	Total/NA	Solid	8015B NM	9441
890-1397-20	BH-61 (5)	Total/NA	Solid	8015B NM	9441
MB 880-9441/1-A	Method Blank	Total/NA	Solid	8015B NM	9441

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 9424 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-9441/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9441
LCSD 880-9441/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9441
890-1397-1 MS	BH-42 (6)	Total/NA	Solid	8015B NM	9441
890-1397-1 MSD	BH-42 (6)	Total/NA	Solid	8015B NM	9441

Prep Batch: 9441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-1	BH-42 (6)	Total/NA	Solid	8015NM Prep	
890-1397-2	BH-43 (3)	Total/NA	Solid	8015NM Prep	
890-1397-3	BH-44 (8)	Total/NA	Solid	8015NM Prep	
890-1397-4	BH-45 (9)	Total/NA	Solid	8015NM Prep	
890-1397-5	BH-46 (9)	Total/NA	Solid	8015NM Prep	
890-1397-6	BH-47 (10)	Total/NA	Solid	8015NM Prep	
890-1397-7	BH-48 (8)	Total/NA	Solid	8015NM Prep	
890-1397-8	BH-49 (5)	Total/NA	Solid	8015NM Prep	
890-1397-9	BH-50 (5)	Total/NA	Solid	8015NM Prep	
890-1397-10	BH-51 (3)	Total/NA	Solid	8015NM Prep	
890-1397-11	BH-52 (3)	Total/NA	Solid	8015NM Prep	
890-1397-12	BH-53 (6)	Total/NA	Solid	8015NM Prep	
890-1397-13	BH-54 (6)	Total/NA	Solid	8015NM Prep	
890-1397-14	BH-55 (6)	Total/NA	Solid	8015NM Prep	
890-1397-15	BH-56 (6)	Total/NA	Solid	8015NM Prep	
890-1397-16	BH-57 (6)	Total/NA	Solid	8015NM Prep	
890-1397-17	BH-58 (4)	Total/NA	Solid	8015NM Prep	
890-1397-18	BH-59 (8)	Total/NA	Solid	8015NM Prep	
890-1397-19	BH-60 (8)	Total/NA	Solid	8015NM Prep	
890-1397-20	BH-61 (5)	Total/NA	Solid	8015NM Prep	
MB 880-9441/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9441/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9441/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1397-1 MS	BH-42 (6)	Total/NA	Solid	8015NM Prep	
890-1397-1 MSD	BH-42 (6)	Total/NA	Solid	8015NM Prep	

Prep Batch: 9457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-21	BH-62 (4)	Total/NA	Solid	8015NM Prep	
890-1397-22	SW-40 (5)	Total/NA	Solid	8015NM Prep	
890-1397-23	SW-42 (5)	Total/NA	Solid	8015NM Prep	
890-1397-24	SW-44 (8)	Total/NA	Solid	8015NM Prep	
890-1397-25	SW-45 (8)	Total/NA	Solid	8015NM Prep	
890-1397-26	SW-46 (10)	Total/NA	Solid	8015NM Prep	
890-1397-27	SW-47 (9)	Total/NA	Solid	8015NM Prep	
890-1397-28	SW-48 (8)	Total/NA	Solid	8015NM Prep	
890-1397-29	SW-49 (10)	Total/NA	Solid	8015NM Prep	
890-1397-30	SW-50 (10)	Total/NA	Solid	8015NM Prep	
890-1397-31	SW-51 (10)	Total/NA	Solid	8015NM Prep	
890-1397-32	SW-52 (9)	Total/NA	Solid	8015NM Prep	
890-1397-33	SW-53 (9)	Total/NA	Solid	8015NM Prep	
890-1397-34	SW-54 (9)	Total/NA	Solid	8015NM Prep	
890-1397-35	SW-55 (4)	Total/NA	Solid	8015NM Prep	
890-1397-36	SW-56 (8)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

GC Semi VOA (Continued)

Prep Batch: 9457 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-37	SW-57 (8)	Total/NA	Solid	8015NM Prep	
890-1397-38	SW-58 (6)	Total/NA	Solid	8015NM Prep	
890-1397-39	SW-59 (6)	Total/NA	Solid	8015NM Prep	
890-1397-40	SW-60 (8)	Total/NA	Solid	8015NM Prep	
MB 880-9457/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9457/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1397-21 MS	BH-62 (4)	Total/NA	Solid	8015NM Prep	
890-1397-21 MSD	BH-62 (4)	Total/NA	Solid	8015NM Prep	

Prep Batch: 9458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-41	SW-61 (8)	Total/NA	Solid	8015NM Prep	
890-1397-42	SW-62 (8)	Total/NA	Solid	8015NM Prep	
890-1397-43	SW-63 (8)	Total/NA	Solid	8015NM Prep	
890-1397-44	SW-64 (5)	Total/NA	Solid	8015NM Prep	
890-1397-45	SW-65 (5)	Total/NA	Solid	8015NM Prep	
890-1397-46	SW-66 (5)	Total/NA	Solid	8015NM Prep	
890-1397-47	SW-68 (4)	Total/NA	Solid	8015NM Prep	
890-1397-48	SW-69 (4)	Total/NA	Solid	8015NM Prep	
890-1397-49	SW-37 (6)	Total/NA	Solid	8015NM Prep	
890-1397-50	SW-38 (6)	Total/NA	Solid	8015NM Prep	
890-1397-51	SW-43 (5)	Total/NA	Solid	8015NM Prep	
890-1397-52	SW-67 (4)	Total/NA	Solid	8015NM Prep	
MB 880-9458/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9458/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9458/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1397-41 MS	SW-61 (8)	Total/NA	Solid	8015NM Prep	
890-1397-41 MSD	SW-61 (8)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 9574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-21	BH-62 (4)	Total/NA	Solid	8015B NM	9457
890-1397-22	SW-40 (5)	Total/NA	Solid	8015B NM	9457
890-1397-23	SW-42 (5)	Total/NA	Solid	8015B NM	9457
890-1397-24	SW-44 (8)	Total/NA	Solid	8015B NM	9457
890-1397-25	SW-45 (8)	Total/NA	Solid	8015B NM	9457
890-1397-26	SW-46 (10)	Total/NA	Solid	8015B NM	9457
890-1397-27	SW-47 (9)	Total/NA	Solid	8015B NM	9457
890-1397-28	SW-48 (8)	Total/NA	Solid	8015B NM	9457
890-1397-29	SW-49 (10)	Total/NA	Solid	8015B NM	9457
890-1397-30	SW-50 (10)	Total/NA	Solid	8015B NM	9457
890-1397-31	SW-51 (10)	Total/NA	Solid	8015B NM	9457
890-1397-32	SW-52 (9)	Total/NA	Solid	8015B NM	9457
890-1397-33	SW-53 (9)	Total/NA	Solid	8015B NM	9457
890-1397-34	SW-54 (9)	Total/NA	Solid	8015B NM	9457
890-1397-35	SW-55 (4)	Total/NA	Solid	8015B NM	9457
890-1397-36	SW-56 (8)	Total/NA	Solid	8015B NM	9457
890-1397-37	SW-57 (8)	Total/NA	Solid	8015B NM	9457
890-1397-38	SW-58 (6)	Total/NA	Solid	8015B NM	9457
890-1397-39	SW-59 (6)	Total/NA	Solid	8015B NM	9457

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 9574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-40	SW-60 (8)	Total/NA	Solid	8015B NM	9457
MB 880-9457/1-A	Method Blank	Total/NA	Solid	8015B NM	9457
LCS 880-9457/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9457
LCSD 880-9457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9457
890-1397-21 MS	BH-62 (4)	Total/NA	Solid	8015B NM	9457
890-1397-21 MSD	BH-62 (4)	Total/NA	Solid	8015B NM	9457

Analysis Batch: 9576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-41	SW-61 (8)	Total/NA	Solid	8015B NM	9458
890-1397-42	SW-62 (8)	Total/NA	Solid	8015B NM	9458
890-1397-43	SW-63 (8)	Total/NA	Solid	8015B NM	9458
890-1397-44	SW-64 (5)	Total/NA	Solid	8015B NM	9458
890-1397-45	SW-65 (5)	Total/NA	Solid	8015B NM	9458
890-1397-46	SW-66 (5)	Total/NA	Solid	8015B NM	9458
890-1397-47	SW-68 (4)	Total/NA	Solid	8015B NM	9458
890-1397-48	SW-69 (4)	Total/NA	Solid	8015B NM	9458
890-1397-49	SW-37 (6)	Total/NA	Solid	8015B NM	9458
890-1397-50	SW-38 (6)	Total/NA	Solid	8015B NM	9458
890-1397-51	SW-43 (5)	Total/NA	Solid	8015B NM	9458
890-1397-52	SW-67 (4)	Total/NA	Solid	8015B NM	9458
MB 880-9458/1-A	Method Blank	Total/NA	Solid	8015B NM	9458
LCS 880-9458/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9458
LCSD 880-9458/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9458
890-1397-41 MS	SW-61 (8)	Total/NA	Solid	8015B NM	9458
890-1397-41 MSD	SW-61 (8)	Total/NA	Solid	8015B NM	9458

Analysis Batch: 9749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-1	BH-42 (6)	Total/NA	Solid	8015 NM	
890-1397-2	BH-43 (3)	Total/NA	Solid	8015 NM	
890-1397-3	BH-44 (8)	Total/NA	Solid	8015 NM	
890-1397-4	BH-45 (9)	Total/NA	Solid	8015 NM	
890-1397-5	BH-46 (9)	Total/NA	Solid	8015 NM	
890-1397-6	BH-47 (10)	Total/NA	Solid	8015 NM	
890-1397-7	BH-48 (8)	Total/NA	Solid	8015 NM	
890-1397-8	BH-49 (5)	Total/NA	Solid	8015 NM	
890-1397-9	BH-50 (5)	Total/NA	Solid	8015 NM	
890-1397-10	BH-51 (3)	Total/NA	Solid	8015 NM	
890-1397-11	BH-52 (3)	Total/NA	Solid	8015 NM	
890-1397-12	BH-53 (6)	Total/NA	Solid	8015 NM	
890-1397-13	BH-54 (6)	Total/NA	Solid	8015 NM	
890-1397-14	BH-55 (6)	Total/NA	Solid	8015 NM	
890-1397-15	BH-56 (6)	Total/NA	Solid	8015 NM	
890-1397-16	BH-57 (6)	Total/NA	Solid	8015 NM	
890-1397-17	BH-58 (4)	Total/NA	Solid	8015 NM	
890-1397-18	BH-59 (8)	Total/NA	Solid	8015 NM	
890-1397-19	BH-60 (8)	Total/NA	Solid	8015 NM	
890-1397-20	BH-61 (5)	Total/NA	Solid	8015 NM	
890-1397-21	BH-62 (4)	Total/NA	Solid	8015 NM	
890-1397-22	SW-40 (5)	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 9749 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-23	SW-42 (5)	Total/NA	Solid	8015 NM	
890-1397-24	SW-44 (8)	Total/NA	Solid	8015 NM	
890-1397-25	SW-45 (8)	Total/NA	Solid	8015 NM	
890-1397-26	SW-46 (10)	Total/NA	Solid	8015 NM	
890-1397-27	SW-47 (9)	Total/NA	Solid	8015 NM	
890-1397-28	SW-48 (8)	Total/NA	Solid	8015 NM	
890-1397-29	SW-49 (10)	Total/NA	Solid	8015 NM	
890-1397-30	SW-50 (10)	Total/NA	Solid	8015 NM	
890-1397-31	SW-51 (10)	Total/NA	Solid	8015 NM	
890-1397-32	SW-52 (9)	Total/NA	Solid	8015 NM	
890-1397-33	SW-53 (9)	Total/NA	Solid	8015 NM	
890-1397-34	SW-54 (9)	Total/NA	Solid	8015 NM	
890-1397-35	SW-55 (4)	Total/NA	Solid	8015 NM	
890-1397-36	SW-56 (8)	Total/NA	Solid	8015 NM	
890-1397-37	SW-57 (8)	Total/NA	Solid	8015 NM	
890-1397-38	SW-58 (6)	Total/NA	Solid	8015 NM	
890-1397-39	SW-59 (6)	Total/NA	Solid	8015 NM	
890-1397-40	SW-60 (8)	Total/NA	Solid	8015 NM	
890-1397-41	SW-61 (8)	Total/NA	Solid	8015 NM	
890-1397-42	SW-62 (8)	Total/NA	Solid	8015 NM	
890-1397-43	SW-63 (8)	Total/NA	Solid	8015 NM	
890-1397-44	SW-64 (5)	Total/NA	Solid	8015 NM	
890-1397-45	SW-65 (5)	Total/NA	Solid	8015 NM	
890-1397-46	SW-66 (5)	Total/NA	Solid	8015 NM	
890-1397-47	SW-68 (4)	Total/NA	Solid	8015 NM	
890-1397-48	SW-69 (4)	Total/NA	Solid	8015 NM	
890-1397-49	SW-37 (6)	Total/NA	Solid	8015 NM	
890-1397-50	SW-38 (6)	Total/NA	Solid	8015 NM	
890-1397-51	SW-43 (5)	Total/NA	Solid	8015 NM	
890-1397-52	SW-67 (4)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 9413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-1	BH-42 (6)	Soluble	Solid	DI Leach	
890-1397-2	BH-43 (3)	Soluble	Solid	DI Leach	
890-1397-3	BH-44 (8)	Soluble	Solid	DI Leach	
890-1397-4	BH-45 (9)	Soluble	Solid	DI Leach	
890-1397-5	BH-46 (9)	Soluble	Solid	DI Leach	
890-1397-6	BH-47 (10)	Soluble	Solid	DI Leach	
890-1397-7	BH-48 (8)	Soluble	Solid	DI Leach	
890-1397-8	BH-49 (5)	Soluble	Solid	DI Leach	
MB 880-9413/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9413/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9413/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1380-A-5-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1380-A-5-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

HPLC/IC

Leach Batch: 9414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-9	BH-50 (5)	Soluble	Solid	DI Leach	
890-1397-10	BH-51 (3)	Soluble	Solid	DI Leach	
890-1397-11	BH-52 (3)	Soluble	Solid	DI Leach	
890-1397-12	BH-53 (6)	Soluble	Solid	DI Leach	
890-1397-13	BH-54 (6)	Soluble	Solid	DI Leach	
890-1397-14	BH-55 (6)	Soluble	Solid	DI Leach	
890-1397-15	BH-56 (6)	Soluble	Solid	DI Leach	
890-1397-16	BH-57 (6)	Soluble	Solid	DI Leach	
890-1397-17	BH-58 (4)	Soluble	Solid	DI Leach	
890-1397-18	BH-59 (8)	Soluble	Solid	DI Leach	
890-1397-19	BH-60 (8)	Soluble	Solid	DI Leach	
890-1397-20	BH-61 (5)	Soluble	Solid	DI Leach	
890-1397-21	BH-62 (4)	Soluble	Solid	DI Leach	
890-1397-22	SW-40 (5)	Soluble	Solid	DI Leach	
890-1397-23	SW-42 (5)	Soluble	Solid	DI Leach	
890-1397-24	SW-44 (8)	Soluble	Solid	DI Leach	
890-1397-25	SW-45 (8)	Soluble	Solid	DI Leach	
890-1397-26	SW-46 (10)	Soluble	Solid	DI Leach	
890-1397-27	SW-47 (9)	Soluble	Solid	DI Leach	
890-1397-28	SW-48 (8)	Soluble	Solid	DI Leach	
MB 880-9414/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9414/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9414/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1397-9 MS	BH-50 (5)	Soluble	Solid	DI Leach	
890-1397-9 MSD	BH-50 (5)	Soluble	Solid	DI Leach	
890-1397-19 MS	BH-60 (8)	Soluble	Solid	DI Leach	
890-1397-19 MSD	BH-60 (8)	Soluble	Solid	DI Leach	

Leach Batch: 9415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-29	SW-49 (10)	Soluble	Solid	DI Leach	
890-1397-30	SW-50 (10)	Soluble	Solid	DI Leach	
890-1397-31	SW-51 (10)	Soluble	Solid	DI Leach	
890-1397-32	SW-52 (9)	Soluble	Solid	DI Leach	
890-1397-33	SW-53 (9)	Soluble	Solid	DI Leach	
890-1397-34	SW-54 (9)	Soluble	Solid	DI Leach	
890-1397-35	SW-55 (4)	Soluble	Solid	DI Leach	
890-1397-36	SW-56 (8)	Soluble	Solid	DI Leach	
890-1397-37	SW-57 (8)	Soluble	Solid	DI Leach	
890-1397-38	SW-58 (6)	Soluble	Solid	DI Leach	
890-1397-39	SW-59 (6)	Soluble	Solid	DI Leach	
890-1397-40	SW-60 (8)	Soluble	Solid	DI Leach	
890-1397-41	SW-61 (8)	Soluble	Solid	DI Leach	
890-1397-42	SW-62 (8)	Soluble	Solid	DI Leach	
890-1397-43	SW-63 (8)	Soluble	Solid	DI Leach	
890-1397-44	SW-64 (5)	Soluble	Solid	DI Leach	
890-1397-45	SW-65 (5)	Soluble	Solid	DI Leach	
890-1397-46	SW-66 (5)	Soluble	Solid	DI Leach	
890-1397-47	SW-68 (4)	Soluble	Solid	DI Leach	
890-1397-48	SW-69 (4)	Soluble	Solid	DI Leach	
MB 880-9415/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 9415 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-9415/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9415/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1397-29 MS	SW-49 (10)	Soluble	Solid	DI Leach	
890-1397-29 MSD	SW-49 (10)	Soluble	Solid	DI Leach	
890-1397-39 MS	SW-59 (6)	Soluble	Solid	DI Leach	
890-1397-39 MSD	SW-59 (6)	Soluble	Solid	DI Leach	

Leach Batch: 9416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-49	SW-37 (6)	Soluble	Solid	DI Leach	
890-1397-50	SW-38 (6)	Soluble	Solid	DI Leach	
890-1397-51	SW-43 (5)	Soluble	Solid	DI Leach	
890-1397-52	SW-67 (4)	Soluble	Solid	DI Leach	
MB 880-9416/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9416/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9416/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7154-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-7154-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 9591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-1	BH-42 (6)	Soluble	Solid	300.0	9413
890-1397-2	BH-43 (3)	Soluble	Solid	300.0	9413
890-1397-3	BH-44 (8)	Soluble	Solid	300.0	9413
890-1397-4	BH-45 (9)	Soluble	Solid	300.0	9413
890-1397-5	BH-46 (9)	Soluble	Solid	300.0	9413
890-1397-6	BH-47 (10)	Soluble	Solid	300.0	9413
890-1397-7	BH-48 (8)	Soluble	Solid	300.0	9413
890-1397-8	BH-49 (5)	Soluble	Solid	300.0	9413
MB 880-9413/1-A	Method Blank	Soluble	Solid	300.0	9413
LCS 880-9413/2-A	Lab Control Sample	Soluble	Solid	300.0	9413
LCSD 880-9413/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9413
890-1380-A-5-E MS	Matrix Spike	Soluble	Solid	300.0	9413
890-1380-A-5-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9413

Analysis Batch: 9592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-9	BH-50 (5)	Soluble	Solid	300.0	9414
890-1397-10	BH-51 (3)	Soluble	Solid	300.0	9414
890-1397-11	BH-52 (3)	Soluble	Solid	300.0	9414
890-1397-12	BH-53 (6)	Soluble	Solid	300.0	9414
890-1397-13	BH-54 (6)	Soluble	Solid	300.0	9414
890-1397-14	BH-55 (6)	Soluble	Solid	300.0	9414
890-1397-15	BH-56 (6)	Soluble	Solid	300.0	9414
890-1397-16	BH-57 (6)	Soluble	Solid	300.0	9414
890-1397-17	BH-58 (4)	Soluble	Solid	300.0	9414
890-1397-18	BH-59 (8)	Soluble	Solid	300.0	9414
890-1397-19	BH-60 (8)	Soluble	Solid	300.0	9414
890-1397-20	BH-61 (5)	Soluble	Solid	300.0	9414
890-1397-21	BH-62 (4)	Soluble	Solid	300.0	9414
890-1397-22	SW-40 (5)	Soluble	Solid	300.0	9414

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

HPLC/IC (Continued)

Analysis Batch: 9592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-23	SW-42 (5)	Soluble	Solid	300.0	9414
890-1397-24	SW-44 (8)	Soluble	Solid	300.0	9414
890-1397-25	SW-45 (8)	Soluble	Solid	300.0	9414
890-1397-26	SW-46 (10)	Soluble	Solid	300.0	9414
890-1397-27	SW-47 (9)	Soluble	Solid	300.0	9414
890-1397-28	SW-48 (8)	Soluble	Solid	300.0	9414
MB 880-9414/1-A	Method Blank	Soluble	Solid	300.0	9414
LCS 880-9414/2-A	Lab Control Sample	Soluble	Solid	300.0	9414
LCSD 880-9414/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9414
890-1397-9 MS	BH-50 (5)	Soluble	Solid	300.0	9414
890-1397-9 MSD	BH-50 (5)	Soluble	Solid	300.0	9414
890-1397-19 MS	BH-60 (8)	Soluble	Solid	300.0	9414
890-1397-19 MSD	BH-60 (8)	Soluble	Solid	300.0	9414

Analysis Batch: 9593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-29	SW-49 (10)	Soluble	Solid	300.0	9415
890-1397-30	SW-50 (10)	Soluble	Solid	300.0	9415
890-1397-31	SW-51 (10)	Soluble	Solid	300.0	9415
890-1397-32	SW-52 (9)	Soluble	Solid	300.0	9415
890-1397-33	SW-53 (9)	Soluble	Solid	300.0	9415
890-1397-34	SW-54 (9)	Soluble	Solid	300.0	9415
890-1397-35	SW-55 (4)	Soluble	Solid	300.0	9415
890-1397-36	SW-56 (8)	Soluble	Solid	300.0	9415
890-1397-37	SW-57 (8)	Soluble	Solid	300.0	9415
890-1397-38	SW-58 (6)	Soluble	Solid	300.0	9415
890-1397-39	SW-59 (6)	Soluble	Solid	300.0	9415
890-1397-40	SW-60 (8)	Soluble	Solid	300.0	9415
890-1397-41	SW-61 (8)	Soluble	Solid	300.0	9415
890-1397-42	SW-62 (8)	Soluble	Solid	300.0	9415
890-1397-43	SW-63 (8)	Soluble	Solid	300.0	9415
890-1397-44	SW-64 (5)	Soluble	Solid	300.0	9415
890-1397-45	SW-65 (5)	Soluble	Solid	300.0	9415
890-1397-46	SW-66 (5)	Soluble	Solid	300.0	9415
890-1397-47	SW-68 (4)	Soluble	Solid	300.0	9415
890-1397-48	SW-69 (4)	Soluble	Solid	300.0	9415
MB 880-9415/1-A	Method Blank	Soluble	Solid	300.0	9415
LCS 880-9415/2-A	Lab Control Sample	Soluble	Solid	300.0	9415
LCSD 880-9415/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9415
890-1397-29 MS	SW-49 (10)	Soluble	Solid	300.0	9415
890-1397-29 MSD	SW-49 (10)	Soluble	Solid	300.0	9415
890-1397-39 MS	SW-59 (6)	Soluble	Solid	300.0	9415
890-1397-39 MSD	SW-59 (6)	Soluble	Solid	300.0	9415

Analysis Batch: 9633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1397-49	SW-37 (6)	Soluble	Solid	300.0	9416
890-1397-50	SW-38 (6)	Soluble	Solid	300.0	9416
890-1397-51	SW-43 (5)	Soluble	Solid	300.0	9416
890-1397-52	SW-67 (4)	Soluble	Solid	300.0	9416
MB 880-9416/1-A	Method Blank	Soluble	Solid	300.0	9416

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

HPLC/IC (Continued)

Analysis Batch: 9633 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-9416/2-A	Lab Control Sample	Soluble	Solid	300.0	9416
LCSD 880-9416/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9416
880-7154-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	9416
880-7154-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9416

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-42 (6)

Lab Sample ID: 890-1397-1
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 00:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 13:51	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9413	10/13/21 18:41	CA	XEN MID
Soluble	Analysis	300.0		1			9591	10/16/21 16:14	CH	XEN MID

Client Sample ID: BH-43 (3)

Lab Sample ID: 890-1397-2
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 01:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 14:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9413	10/13/21 18:41	CA	XEN MID
Soluble	Analysis	300.0		1			9591	10/16/21 16:33	CH	XEN MID

Client Sample ID: BH-44 (8)

Lab Sample ID: 890-1397-3
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 01:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 15:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9413	10/13/21 18:41	CA	XEN MID
Soluble	Analysis	300.0		1			9591	10/16/21 16:39	CH	XEN MID

Client Sample ID: BH-45 (9)

Lab Sample ID: 890-1397-4
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 01:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-45 (9)

Lab Sample ID: 890-1397-4
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 15:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9413	10/13/21 18:41	CA	XEN MID
Soluble	Analysis	300.0		1			9591	10/16/21 16:45	CH	XEN MID

Client Sample ID: BH-46 (9)

Lab Sample ID: 890-1397-5
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 02:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 15:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9413	10/13/21 18:41	CA	XEN MID
Soluble	Analysis	300.0		1			9591	10/16/21 16:51	CH	XEN MID

Client Sample ID: BH-47 (10)

Lab Sample ID: 890-1397-6
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 02:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 16:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9413	10/13/21 18:41	CA	XEN MID
Soluble	Analysis	300.0		1			9591	10/16/21 16:58	CH	XEN MID

Client Sample ID: BH-48 (8)

Lab Sample ID: 890-1397-7
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 03:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 16:36	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-48 (8)

Lab Sample ID: 890-1397-7
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	9413	10/13/21 18:41	CA	XEN MID
Soluble	Analysis	300.0		1			9591	10/16/21 17:04	CH	XEN MID

Client Sample ID: BH-49 (5)

Lab Sample ID: 890-1397-8
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 03:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 16:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9413	10/13/21 18:41	CA	XEN MID
Soluble	Analysis	300.0		1			9591	10/16/21 17:10	CH	XEN MID

Client Sample ID: BH-50 (5)

Lab Sample ID: 890-1397-9
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 03:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 17:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 16:47	CH	XEN MID

Client Sample ID: BH-51 (3)

Lab Sample ID: 890-1397-10
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 04:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 17:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 17:04	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-52 (3)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 05:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 18:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 17:10	CH	XEN MID

Client Sample ID: BH-53 (6)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 05:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 18:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 17:15	CH	XEN MID

Client Sample ID: BH-54 (6)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 06:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 17:21	CH	XEN MID

Client Sample ID: BH-55 (6)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 06:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-55 (6)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 19:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 17:38	CH	XEN MID

Client Sample ID: BH-56 (6)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 06:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 19:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 17:43	CH	XEN MID

Client Sample ID: BH-57 (6)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 07:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 20:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 17:49	CH	XEN MID

Client Sample ID: BH-58 (4)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 07:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 20:22	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-58 (4)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 17:54	CH	XEN MID

Client Sample ID: BH-59 (8)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 07:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 20:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 18:00	CH	XEN MID

Client Sample ID: BH-60 (8)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 08:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 21:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 18:06	CH	XEN MID

Client Sample ID: BH-61 (5)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9461	10/14/21 12:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9656	10/19/21 08:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9441	10/14/21 09:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9424	10/14/21 21:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 18:22	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: BH-62 (4)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/18/21 20:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 13:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 18:28	CH	XEN MID

Client Sample ID: SW-40 (5)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/18/21 20:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 14:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 18:45	CH	XEN MID

Client Sample ID: SW-42 (5)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/18/21 21:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 14:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 18:51	CH	XEN MID

Client Sample ID: SW-44 (8)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/18/21 21:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-44 (8)

Lab Sample ID: 890-1397-24

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 18:56	CH	XEN MID

Client Sample ID: SW-45 (8)

Lab Sample ID: 890-1397-25

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/18/21 22:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 15:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 19:02	CH	XEN MID

Client Sample ID: SW-46 (10)

Lab Sample ID: 890-1397-26

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/18/21 22:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 15:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 19:07	CH	XEN MID

Client Sample ID: SW-47 (9)

Lab Sample ID: 890-1397-27

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/18/21 23:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 15:47	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-47 (9)

Lab Sample ID: 890-1397-27
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 19:13	CH	XEN MID

Client Sample ID: SW-48 (8)

Lab Sample ID: 890-1397-28
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/18/21 23:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 16:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9414	10/13/21 18:44	CA	XEN MID
Soluble	Analysis	300.0		1			9592	10/16/21 19:18	CH	XEN MID

Client Sample ID: SW-49 (10)

Lab Sample ID: 890-1397-29
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/18/21 23:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 20:03	CH	XEN MID

Client Sample ID: SW-50 (10)

Lab Sample ID: 890-1397-30
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 00:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 16:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 20:20	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-51 (10)

Lab Sample ID: 890-1397-31
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 02:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 17:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 20:26	CH	XEN MID

Client Sample ID: SW-52 (9)

Lab Sample ID: 890-1397-32
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 02:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 17:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 20:31	CH	XEN MID

Client Sample ID: SW-53 (9)

Lab Sample ID: 890-1397-33
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 02:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 20:37	CH	XEN MID

Client Sample ID: SW-54 (9)

Lab Sample ID: 890-1397-34
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 03:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-54 (9)

Lab Sample ID: 890-1397-34

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 18:26	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 20:54	CH	XEN MID

Client Sample ID: SW-55 (4)

Lab Sample ID: 890-1397-35

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 03:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 18:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 20:59	CH	XEN MID

Client Sample ID: SW-56 (8)

Lab Sample ID: 890-1397-36

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 04:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 21:05	CH	XEN MID

Client Sample ID: SW-57 (8)

Lab Sample ID: 890-1397-37

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 04:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 19:26	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-57 (8)

Lab Sample ID: 890-1397-37
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 21:11	CH	XEN MID

Client Sample ID: SW-58 (6)

Lab Sample ID: 890-1397-38
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 05:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 19:46	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 21:16	CH	XEN MID

Client Sample ID: SW-59 (6)

Lab Sample ID: 890-1397-39
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 05:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 20:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 21:22	CH	XEN MID

Client Sample ID: SW-60 (8)

Lab Sample ID: 890-1397-40
Matrix: Solid
Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9465	10/14/21 12:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 05:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9457	10/14/21 11:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9574	10/16/21 20:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 21:39	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-61 (8)

Lab Sample ID: 890-1397-41

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 12:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 13:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 21:44	CH	XEN MID

Client Sample ID: SW-62 (8)

Lab Sample ID: 890-1397-42

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 13:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 14:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 22:01	CH	XEN MID

Client Sample ID: SW-63 (8)

Lab Sample ID: 890-1397-43

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 13:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 14:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 22:07	CH	XEN MID

Client Sample ID: SW-64 (5)

Lab Sample ID: 890-1397-44

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 14:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-64 (5)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-44

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 22:12	CH	XEN MID

Client Sample ID: SW-65 (5)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-45

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 14:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 15:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 22:18	CH	XEN MID

Client Sample ID: SW-66 (5)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 15:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 15:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 22:24	CH	XEN MID

Client Sample ID: SW-68 (4)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/19/21 15:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 15:47	AJ	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-68 (4)

Lab Sample ID: 890-1397-47

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 22:29	CH	XEN MID

Client Sample ID: SW-69 (4)

Lab Sample ID: 890-1397-48

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/20/21 09:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 16:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9415	10/13/21 18:51	CA	XEN MID
Soluble	Analysis	300.0		1			9593	10/16/21 22:35	CH	XEN MID

Client Sample ID: SW-37 (6)

Lab Sample ID: 890-1397-49

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/20/21 09:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9416	10/13/21 18:55	CA	XEN MID
Soluble	Analysis	300.0		1			9633	10/17/21 22:53	CH	XEN MID

Client Sample ID: SW-38 (6)

Lab Sample ID: 890-1397-50

Date Collected: 10/08/21 00:00
Matrix: Solid
Date Received: 10/11/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9464	10/14/21 12:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9774	10/20/21 10:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 16:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9416	10/13/21 18:55	CA	XEN MID
Soluble	Analysis	300.0		1			9633	10/17/21 22:59	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Client Sample ID: SW-43 (5)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-51

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	9452	10/14/21 10:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9522	10/16/21 16:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9796	10/18/21 15:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 17:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9416	10/13/21 18:55	CA	XEN MID
Soluble	Analysis	300.0		1			9633	10/17/21 23:05	CH	XEN MID

Client Sample ID: SW-67 (4)

Date Collected: 10/08/21 00:00
Date Received: 10/11/21 09:30

Lab Sample ID: 890-1397-52

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9452	10/14/21 10:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9522	10/16/21 17:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9796	10/18/21 15:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9458	10/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9576	10/16/21 17:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9416	10/13/21 18:55	CA	XEN MID
Soluble	Analysis	300.0		1			9633	10/17/21 23:10	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

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	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1397-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1397-1	BH-42 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-2	BH-43 (3)	Solid	10/08/21 00:00	10/11/21 09:30	3
890-1397-3	BH-44 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-4	BH-45 (9)	Solid	10/08/21 00:00	10/11/21 09:30	9
890-1397-5	BH-46 (9)	Solid	10/08/21 00:00	10/11/21 09:30	10
890-1397-6	BH-47 (10)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-7	BH-48 (8)	Solid	10/08/21 00:00	10/11/21 09:30	5
890-1397-8	BH-49 (5)	Solid	10/08/21 00:00	10/11/21 09:30	5
890-1397-9	BH-50 (5)	Solid	10/08/21 00:00	10/11/21 09:30	3
890-1397-10	BH-51 (3)	Solid	10/08/21 00:00	10/11/21 09:30	3
890-1397-11	BH-52 (3)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-12	BH-53 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-13	BH-54 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-14	BH-55 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-15	BH-56 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-16	BH-57 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-17	BH-58 (4)	Solid	10/08/21 00:00	10/11/21 09:30	4
890-1397-18	BH-59 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-19	BH-60 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-20	BH-61 (5)	Solid	10/08/21 00:00	10/11/21 09:30	5
890-1397-21	BH-62 (4)	Solid	10/08/21 00:00	10/11/21 09:30	4
890-1397-22	SW-40 (5)	Solid	10/08/21 00:00	10/11/21 09:30	5
890-1397-23	SW-42 (5)	Solid	10/08/21 00:00	10/11/21 09:30	5
890-1397-24	SW-44 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-25	SW-45 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-26	SW-46 (10)	Solid	10/08/21 00:00	10/11/21 09:30	10
890-1397-27	SW-47 (9)	Solid	10/08/21 00:00	10/11/21 09:30	9
890-1397-28	SW-48 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-29	SW-49 (10)	Solid	10/08/21 00:00	10/11/21 09:30	10
890-1397-30	SW-50 (10)	Solid	10/08/21 00:00	10/11/21 09:30	10
890-1397-31	SW-51 (10)	Solid	10/08/21 00:00	10/11/21 09:30	10
890-1397-32	SW-52 (9)	Solid	10/08/21 00:00	10/11/21 09:30	9
890-1397-33	SW-53 (9)	Solid	10/08/21 00:00	10/11/21 09:30	9
890-1397-34	SW-54 (9)	Solid	10/08/21 00:00	10/11/21 09:30	9
890-1397-35	SW-55 (4)	Solid	10/08/21 00:00	10/11/21 09:30	4
890-1397-36	SW-56 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-37	SW-57 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-38	SW-58 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-39	SW-59 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-40	SW-60 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-41	SW-61 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-42	SW-62 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-43	SW-63 (8)	Solid	10/08/21 00:00	10/11/21 09:30	8
890-1397-44	SW-64 (5)	Solid	10/08/21 00:00	10/11/21 09:30	5
890-1397-45	SW-65 (5)	Solid	10/08/21 00:00	10/11/21 09:30	5
890-1397-46	SW-66 (5)	Solid	10/08/21 00:00	10/11/21 09:30	5
890-1397-47	SW-68 (4)	Solid	10/08/21 00:00	10/11/21 09:30	4
890-1397-48	SW-69 (4)	Solid	10/08/21 00:00	10/11/21 09:30	4
890-1397-49	SW-37 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-50	SW-38 (6)	Solid	10/08/21 00:00	10/11/21 09:30	6
890-1397-51	SW-43 (5)	Solid	10/08/21 00:00	10/11/21 09:30	5
890-1397-52	SW-67 (4)	Solid	10/08/21 00:00	10/11/21 09:30	4

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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	Solaris	**Site Manager:**	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	**Project #:**	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins Xenco	**Sampler Signature:**	Ezequiel Moreno
Comments:			

890-1397 Chain of Custody

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)	ANALY 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-42 (6')	10/8/2021			X				X				X		X												X							
	BH-43 (3')	10/8/2021			X				X				X		X												X							
	BH-44 (8')	10/8/2021			X				X				X		X												X							
	BH-45 (9')	10/8/2021			X				X				X		X												X							
	BH-46 (9')	10/8/2021			X				X				X		X												X							
	BH-47 (10')	10/8/2021			X				X				X		X												X							
	BH-48 (8')	10/8/2021			X				X				X		X												X							
	BH-49 (5')	10/8/2021			X				X				X		X												X							
	BH-50 (5')	10/8/2021			X				X				X		X												X							
	BH-51 (3')	10/8/2021			X				X				X		X												X							

Relinquished by: Ezequiel Moreno	Date: 10/11/21	Time: 9:27	Received by: Chase Cuff
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 10-11-21 Time: 0930

LAB USE ONLY

Sample Temperature
1.6
1.4

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	Solaris	**Site Manager:**	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	**Project #:**	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins 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 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-52 (3')	10/8/2021			X				X				X		X												X							
	BH-53 (6')	10/8/2021			X				X				X		X												X							
	BH-54 (6')	10/8/2021			X				X				X		X												X							
	BH-55 (6')	10/8/2021			X				X				X		X												X							
	BH-56 (6')	10/8/2021			X				X				X		X												X							
	BH-57 (6')	10/8/2021			X				X				X		X												X							
	BH-58 (4')	10/8/2021			X				X				X		X												X							
	BH-59 (8')	10/8/2021			X				X				X		X												X							
	BH-60 (8')	10/8/2021			X				X				X		X												X							
	BH-61 (5')	10/8/2021			X				X				X		X												X							

Relinquished by: Brad Mann	Date: 10/11/21	Time: 9:27	Received by: Clee Culp
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 10.11.21 Time: 0930

LAB USE ONLY

Sample Temperature

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins 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 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-62 (4')	10/8/2021			X				X				X		X												X							
	SW-40 (5')	10/8/2021			X				X				X		X												X							
	SW-42 (5')	10/8/2021			X				X				X		X												X							
	SW-44 (8')	10/8/2021			X				X				X		X												X							
	SW-45 (8')	10/8/2021			X				X				X		X												X							
	SW-46 (10')	10/8/2021			X				X				X		X												X							
	SW-47 (9')	10/8/2021			X				X				X		X												X							
	SW-48 (8')	10/8/2021			X				X				X		X												X							
	SW-49 (10')	10/8/2021			X				X				X		X												X							
	SW-50 (10')	10/8/2021			X				X				X		X												X							

Relinquished by: Ezequiel Moreno	Date: 10/11/21	Time: 9:27	Received by: Cloe Cuty
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 10·11·21 Time: 0930

LAB USE ONLY
Sample Temperature

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins Xenco	**Sampler Signature:** Ezequiel Moreno
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
	SW-51 (10')	10/8/2021			X				X					X		X												X							
	SW-52 (9')	10/8/2021			X				X					X		X												X							
	SW-53 (9')	10/8/2021			X				X					X		X												X							
	SW-54 (9')	10/8/2021			X				X					X		X												X							
	SW-55 (4')	10/8/2021			X				X					X		X												X							
	SW-56 (8')	10/8/2021			X				X					X		X												X							
	SW-57 (8')	10/8/2021			X				X					X		X												X							
	SW-58 (6')	10/8/2021			X				X					X		X												X							
	SW-59 (6')	10/8/2021			X				X					X		X												X							
	SW-60 (8')	10/8/2021			X				X					X		X												X							

Relinquished by: Ezequiel Moreno	Date: 10/11/21	Time: 9:27	Received by: Clue Cutton 10.11.21 0930
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

LAB USE ONLY
Sample Temperature

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

Client Name:	Solaris	**Site Manager:**	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	**Project #:**	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins 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	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-61 (8')	10/8/2021			X				X				X			X												X				
	SW-62 (8')	10/8/2021			X				X				X			X												X				
	SW-63 (8')	10/8/2021			X				X				X			X												X				
	SW-64 (5')	10/8/2021			X				X				X			X												X				
	SW-65 (5')	10/8/2021			X				X				X			X												X				
	SW-66 (5')	10/8/2021			X				X				X			X												X				
	SW-68 (4')	10/8/2021			X				X				X			X												X				
	SW-69 (4')	10/8/2021			X				X				X			X												X				
	SW-37 (6')																															
	SW-38 (6')																															

Relinquished by: Ezequiel Moreno	Date: 10/11/21	Time: 9:27	Received by: Cloe Alf
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 10·11·21 Time: 0930

LAB USE ONLY
Sample Temperature

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins 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 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-43 (5')	10/8/2021			X				X					X		X												X							
	SW-67 (4')	10/8/2021			X				X					X		X												X							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Ezequiel Moreno	10/11/21	9:27	Cloe Cofy	10.11.21	0930
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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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: 890-456 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1397-1
Address: 1211 W Florida Ave,	Due Date Requested: 10/15/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8016MOD_NM/8016NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
Preservation Code:													
BH-42 (6) (890-1397-1)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-43 (3) (890-1397-2)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-44 (8) (890-1397-3)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-45 (9) (890-1397-4)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-46 (9) (890-1397-5)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-47 (10) (890-1397-6)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-48 (8) (890-1397-7)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-49 (5) (890-1397-8)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-50 (5) (890-1397-9)	10/8/21	Mountain		Solid			X	X	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 Cruz 10.11.21	Date/Time:	Company: XENCO	Received by: 10/12/21 11.30	Date/Time:	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.

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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: 890-456 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 2 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1397-1
Address: 1211 W Florida Ave,	Due Date Requested: 10/15/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH-51 (3) (890-1397-10)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-52 (3) (890-1397-11)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-53 (6) (890-1397-12)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-54 (6) (890-1397-13)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-55 (6) (890-1397-14)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-56 (6) (890-1397-15)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-57 (6) (890-1397-16)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-58 (4) (890-1397-17)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-59 (8) (890-1397-18)	10/8/21	Mountain		Solid			X	X	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.

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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: Clan Cut 10-11-21	Date/Time: 10/12/21 11 30	Company Xenco	Received by: Kadel	Date/Time:	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:

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Eurofins Xenco, Carlsbad
1089 N Canal St
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-456 3
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 3 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1397-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 10/15/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH-60 (8) (890-1397-19)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-61 (5) (890-1397-20)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
BH-62 (4) (890-1397-21)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-40 (5) (890-1397-22)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-42 (5) (890-1397-23)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-44 (8) (890-1397-24)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-45 (8) (890-1397-25)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-46 (10) (890-1397-26)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-47 (9) (890-1397-27)	10/8/21	Mountain		Solid			X	X	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.

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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
Clue Cuy 10·11·21	10/12/21 1130	Xenco			
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.

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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: 890-456 4
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset com	State of Origin: New Mexico	Page: Page 4 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1397-1
Address: 1211 W Florida Ave,	Due Date Requested: 10/15/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW-48 (8) (890-1397-28)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-49 (10) (890-1397-29)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-50 (10) (890-1397-30)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-51 (10) (890-1397-31)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-52 (9) (890-1397-32)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-53 (9) (890-1397-33)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-54 (9) (890-1397-34)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-55 (4) (890-1397-35)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-56 (8) (890-1397-36)	10/8/21	Mountain		Solid			X	X	X	X	X	1	

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Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *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 Cust 10.11.21	Date/Time: 10/12/21 1130	Company: Xenco	Received by:		Date/Time:		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.				

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-456 5
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 5 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1397-1
Address: 1211 W Florida Ave	Due Date Requested: 10/15/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW-57 (8) (890-1397-37)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-58 (6) (890-1397-38)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-59 (6) (890-1397-39)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-60 (8) (890-1397-40)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-61 (8) (890-1397-41)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-62 (8) (890-1397-42)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-63 (8) (890-1397-43)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-64 (5) (890-1397-44)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-65 (5) (890-1397-45)	10/8/21	Mountain		Solid			X	X	X	X	X	1	

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Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by: Clue Cook 10.11.21	Date/Time: 10/12/21 11:30	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

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Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 6 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1397-1
Address: 1211 W Florida Ave	Due Date Requested: 10/15/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW-66 (5) (890-1397-46)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-68 (4) (890-1397-47)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-69 (4) (890-1397-48)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-37 (6) (890-1397-49)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-38 (6) (890-1397-50)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-43 (5) (890-1397-51)	10/8/21	Mountain		Solid			X	X	X	X	X	1	
SW-67 (4) (890-1397-52)	10/8/21	Mountain		Solid			X	X	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
Relinquished by: 10.11.21	10/12/21 11:30				
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: 06/08/2021

Received by OCD: 3/16/2023 8:02:19 AM

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10/20/2021

Released to Imaging: 4/19/2023 1:58:08 PM

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1397-1
SDG Number: Eddy County

Login Number: 1397
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, 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: 890-1397-1
SDG Number: Eddy County

Login Number: 1397
List Number: 2
Creator: Lowe, Katie

List Source: Eurofins Xenco, Midland
List Creation: 10/12/21 11:28 AM

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: 890-1444-1
Laboratory Sample Delivery Group: Eddy County NM
Client Project/Site: Booster Pump 1003

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
10/25/2021 6:27:41 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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

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

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Laboratory Job ID: 890-1444-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-1444-1
Project/Site: Booster Pump 1003 SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Job ID: 890-1444-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1444-1

Receipt
The samples were received on 10/15/2021 3:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C

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

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

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-5 (0-1)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 1

Lab Sample ID: 890-1444-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1 F2	0.00199		mg/Kg		10/20/21 13:52	10/22/21 14:15	1
Toluene	<0.00199	U F1 F2	0.00199		mg/Kg		10/20/21 13:52	10/22/21 14:15	1
Ethylbenzene	<0.00199	U F1 F2	0.00199		mg/Kg		10/20/21 13:52	10/22/21 14:15	1
m-Xylene & p-Xylene	**0.00723**	**F1 F2**	0.00398		mg/Kg		10/20/21 13:52	10/22/21 14:15	1
o-Xylene	**0.00326**	**F1 F2**	0.00199		mg/Kg		10/20/21 13:52	10/22/21 14:15	1
Xylenes, Total	**0.0105**	**F1 F2**	0.00398		mg/Kg		10/20/21 13:52	10/22/21 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/20/21 13:52*	*10/22/21 14:15*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/20/21 13:52*	*10/22/21 14:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0105**		0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 05:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 05:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/22/21 11:26*	*10/23/21 05:17*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 05:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.7**		5.04		mg/Kg			10/22/21 11:09	1

Client Sample ID: T-5 (1)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 1

Lab Sample ID: 890-1444-2

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		10/20/21 13:52	10/22/21 14:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 14:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 14:36	1
m-Xylene & p-Xylene	**0.00596**		0.00400		mg/Kg		10/20/21 13:52	10/22/21 14:36	1
o-Xylene	**0.00250**		0.00200		mg/Kg		10/20/21 13:52	10/22/21 14:36	1
Xylenes, Total	**0.00846**		0.00400		mg/Kg		10/20/21 13:52	10/22/21 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/20/21 13:52*	*10/22/21 14:36*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-5 (1)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 1

Lab Sample ID: 890-1444-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/20/21 13:52*	*10/22/21 14:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00846**		0.00400		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 06:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 06:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/22/21 11:26*	*10/23/21 06:19*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 06:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.9**		5.03		mg/Kg			10/22/21 11:16	1

Client Sample ID: T-5 (2)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1444-3

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		10/20/21 13:52	10/22/21 14:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 14:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 14:56	1
m-Xylene & p-Xylene	**0.00452**		0.00402		mg/Kg		10/20/21 13:52	10/22/21 14:56	1
o-Xylene	**0.00201**		0.00201		mg/Kg		10/20/21 13:52	10/22/21 14:56	1
Xylenes, Total	**0.00653**		0.00402		mg/Kg		10/20/21 13:52	10/22/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/20/21 13:52*	*10/22/21 14:56*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/20/21 13:52*	*10/22/21 14:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00653**		0.00402		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/21 09:39	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-5 (2)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1444-3

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	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 06:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 06:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/22/21 11:26*	*10/23/21 06:41*	*1*
o-Terphenyl	*127*		*70 - 130*	*10/22/21 11:26*	*10/23/21 06:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.8**		4.97		mg/Kg			10/22/21 11:23	1

Client Sample ID: T-5 (3)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 3

Lab Sample ID: 890-1444-4

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		10/20/21 13:52	10/22/21 15:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 15:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 15:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/21 13:52	10/22/21 15:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 15:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/21 13:52	10/22/21 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/20/21 13:52*	*10/22/21 15:16*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/20/21 13:52*	*10/22/21 15:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:02*	*1*
o-Terphenyl	*127*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:02*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-5 (3)

Lab Sample ID: 890-1444-4
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.3		4.99		mg/Kg			10/22/21 11:31	1

Client Sample ID: T-5 (4)

Lab Sample ID: 890-1444-5
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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		10/20/21 13:52	10/22/21 15:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:52	10/22/21 15:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:52	10/22/21 15:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:52	10/22/21 15:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:52	10/22/21 15:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:52	10/22/21 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*10/20/21 13:52*	*10/22/21 15:37*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*10/20/21 13:52*	*10/22/21 15:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/21 09:39	1

Method: 8015B 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		10/22/21 11:26	10/23/21 07:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 07:23	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:23*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 07:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.1		5.00		mg/Kg			10/23/21 02:33	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-6 (0-1)

Lab Sample ID: 890-1444-6
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 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		10/20/21 13:52	10/22/21 15:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 15:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 15:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/21 13:52	10/22/21 15:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 15:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/21 13:52	10/22/21 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/20/21 13:52*	*10/22/21 15:57*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/20/21 13:52*	*10/22/21 15:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 07:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 07:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 07:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:45*	*1*
o-Terphenyl	*127*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.2**		5.01		mg/Kg			10/23/21 02:55	1

Client Sample ID: T-6 (1)

Lab Sample ID: 890-1444-7
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
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		10/20/21 13:52	10/22/21 16:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 16:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 16:18	1
m-Xylene & p-Xylene	**0.0119**		0.00401		mg/Kg		10/20/21 13:52	10/22/21 16:18	1
o-Xylene	**0.00319**		0.00200		mg/Kg		10/20/21 13:52	10/22/21 16:18	1
Xylenes, Total	**0.0151**		0.00401		mg/Kg		10/20/21 13:52	10/22/21 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/20/21 13:52*	*10/22/21 16:18*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-6 (1)

Lab Sample ID: 890-1444-7
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*10/20/21 13:52*	*10/22/21 16:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0151**		0.00401		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/21 09:39	1

Method: 8015B 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		10/22/21 11:26	10/23/21 08:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 08:06	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/22/21 11:26*	*10/23/21 08:06*	*1*
o-Terphenyl	*125*		*70 - 130*	*10/22/21 11:26*	*10/23/21 08:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.6**		5.05		mg/Kg			10/23/21 03:02	1

Client Sample ID: T-6 (2)

Lab Sample ID: 890-1444-8
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 16:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 16:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 16:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/21 13:52	10/22/21 16:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 16:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/21 13:52	10/22/21 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/20/21 13:52*	*10/22/21 16:38*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/20/21 13:52*	*10/22/21 16:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:39	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-6 (2)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1444-8

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		10/22/21 11:26	10/23/21 08:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 08:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/22/21 11:26*	*10/23/21 08:28*	*1*
o-Terphenyl	*126*		*70 - 130*	*10/22/21 11:26*	*10/23/21 08:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.7**		4.98		mg/Kg			10/23/21 03:09	1

Client Sample ID: T-6 (3)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 3

Lab Sample ID: 890-1444-9

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		10/20/21 13:52	10/22/21 16:58	1
Toluene	**0.00490**		0.00199		mg/Kg		10/20/21 13:52	10/22/21 16:58	1
Ethylbenzene	**0.00611**		0.00199		mg/Kg		10/20/21 13:52	10/22/21 16:58	1
m-Xylene & p-Xylene	**0.0307**		0.00398		mg/Kg		10/20/21 13:52	10/22/21 16:58	1
o-Xylene	**0.00417**		0.00199		mg/Kg		10/20/21 13:52	10/22/21 16:58	1
Xylenes, Total	**0.0349**		0.00398		mg/Kg		10/20/21 13:52	10/22/21 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*10/20/21 13:52*	*10/22/21 16:58*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/20/21 13:52*	*10/22/21 16:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0459**		0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 04:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 04:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*10/22/21 11:26*	*10/23/21 04:14*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 04:14*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-6 (3)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 3

Lab Sample ID: 890-1444-9

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.1		4.95		mg/Kg			10/23/21 03:16	1

Client Sample ID: T-6 (4)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Lab Sample ID: 890-1444-10

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		10/20/21 13:52	10/22/21 17:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 17:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 17:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 13:52	10/22/21 17:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 17:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 13:52	10/22/21 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/20/21 13:52*	*10/22/21 17:19*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/20/21 13:52*	*10/22/21 17:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 04:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 04:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*10/22/21 11:26*	*10/23/21 04:35*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/22/21 11:26*	*10/23/21 04:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.4		5.04		mg/Kg			10/23/21 03:38	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: HD-1 (0-6)

Lab Sample ID: 890-1444-11
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:52	10/22/21 18:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:52	10/22/21 18:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:52	10/22/21 18:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/20/21 13:52	10/22/21 18:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:52	10/22/21 18:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/20/21 13:52	10/22/21 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/20/21 13:52*	*10/22/21 18:41*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/20/21 13:52*	*10/22/21 18:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 04:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 04:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*10/22/21 11:26*	*10/23/21 04:56*	*1*
o-Terphenyl	*122*		*70 - 130*	*10/22/21 11:26*	*10/23/21 04:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.1**		4.97		mg/Kg			10/23/21 03:45	1

Client Sample ID: HD-2 (0-6)

Lab Sample ID: 890-1444-12
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:52	10/22/21 19:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:52	10/22/21 19:01	1
Ethylbenzene	**0.00869**		0.00198		mg/Kg		10/20/21 13:52	10/22/21 19:01	1
m-Xylene & p-Xylene	**0.0286**		0.00396		mg/Kg		10/20/21 13:52	10/22/21 19:01	1
o-Xylene	**0.00774**		0.00198		mg/Kg		10/20/21 13:52	10/22/21 19:01	1
Xylenes, Total	**0.0363**		0.00396		mg/Kg		10/20/21 13:52	10/22/21 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*10/20/21 13:52*	*10/22/21 19:01*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: HD-2 (0-6)

Lab Sample ID: 890-1444-12
Matrix: Solid

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*128*		*70 - 130*	*10/20/21 13:52*	*10/22/21 19:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0450**		0.00396		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 05:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 05:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 05:17*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 05:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.1**		4.98		mg/Kg			10/23/21 03:52	1

Client Sample ID: HD-3 (0-6)

Lab Sample ID: 890-1444-13
Matrix: Solid

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

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		10/20/21 13:52	10/22/21 19:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:52	10/22/21 19:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:52	10/22/21 19:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:52	10/22/21 19:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:52	10/22/21 19:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:52	10/22/21 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*10/20/21 13:52*	*10/22/21 19:21*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/20/21 13:52*	*10/22/21 19:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/21 09:39	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1444-1
Project/Site: Booster Pump 1003 SDG: Eddy County NM

Client Sample ID: HD-3 (0-6) Lab Sample ID: 890-1444-13

Date Collected: 10/15/21 00:00 **Matrix: Solid**
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 8015B 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		10/22/21 11:26	10/23/21 05:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 05:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*10/22/21 11:26*	*10/23/21 05:38*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/22/21 11:26*	*10/23/21 05:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.1**		4.95		mg/Kg			10/23/21 04:00	1

Client Sample ID: HD-4 (0-6) Lab Sample ID: 890-1444-14

Date Collected: 10/15/21 00:00 **Matrix: Solid**
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 19:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 19:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 19:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/21 13:52	10/22/21 19:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 19:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/21 13:52	10/22/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/20/21 13:52*	*10/22/21 19:42*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*10/20/21 13:52*	*10/22/21 19:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 05:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 05:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*10/22/21 11:26*	*10/23/21 05:59*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 05:59*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: HD-4 (0-6)

Lab Sample ID: 890-1444-14
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.1		4.99		mg/Kg			10/23/21 04:07	1

Client Sample ID: HD-5(0-6)

Lab Sample ID: 890-1444-15
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 20:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 20:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 20:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/21 13:52	10/22/21 20:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 20:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/21 13:52	10/22/21 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*10/20/21 13:52*	*10/22/21 20:02*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*10/20/21 13:52*	*10/22/21 20:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 06:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 06:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 06:19*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 06:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.8		5.00		mg/Kg			10/23/21 04:14	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: HD-6 (0-6)

Lab Sample ID: 890-1444-16
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 20:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 20:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 20:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 13:52	10/22/21 20:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 20:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 13:52	10/22/21 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/20/21 13:52*	*10/22/21 20:23*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/20/21 13:52*	*10/22/21 20:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/21 09:39	1

Method: 8015B 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		10/22/21 11:26	10/23/21 06:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 06:41	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 06:41*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 06:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.4**		5.01		mg/Kg			10/23/21 04:35	1

Client Sample ID: HD-7 (0-6)

Lab Sample ID: 890-1444-17
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 20:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 20:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 20:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/20/21 13:52	10/22/21 20:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 20:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/20/21 13:52	10/22/21 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/20/21 13:52*	*10/22/21 20:43*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: HD-7 (0-6)

Lab Sample ID: 890-1444-17
Matrix: Solid

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*10/20/21 13:52*	*10/22/21 20:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:02*	*1*
o-Terphenyl	*130*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.8**		4.98		mg/Kg			10/23/21 04:42	1

Client Sample ID: HD-8 (0-6)

Lab Sample ID: 890-1444-18
Matrix: Solid

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 21:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 21:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 21:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/21 13:52	10/22/21 21:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:52	10/22/21 21:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/21 13:52	10/22/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/20/21 13:52*	*10/22/21 21:03*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/20/21 13:52*	*10/22/21 21:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: HD-8 (0-6)

Lab Sample ID: 890-1444-18

Date Collected: 10/15/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:23*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.4**		4.96		mg/Kg			10/23/21 05:04	1

Client Sample ID: HD-9 (0-6)

Lab Sample ID: 890-1444-19

Date Collected: 10/15/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 21:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 21:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 21:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/20/21 13:52	10/22/21 21:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 21:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/20/21 13:52	10/22/21 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/20/21 13:52*	*10/22/21 21:24*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/20/21 13:52*	*10/22/21 21:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 11:26	10/23/21 07:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:45*	*1*
o-Terphenyl	*129*		*70 - 130*	*10/22/21 11:26*	*10/23/21 07:45*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: HD-9 (0-6)

Lab Sample ID: 890-1444-19
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0 - 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.5		5.00		mg/Kg			10/23/21 05:11	1

Client Sample ID: HD-10 (0-6)

Lab Sample ID: 890-1444-20
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 00 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 21:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 21:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 21:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/20/21 13:52	10/22/21 21:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:52	10/22/21 21:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/20/21 13:52	10/22/21 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*10/20/21 13:52*	*10/22/21 21:44*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/20/21 13:52*	*10/22/21 21:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/21 09:39	1

Method: 8015B 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		10/22/21 11:26	10/23/21 08:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 08:06	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 11:26	10/23/21 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*10/22/21 11:26*	*10/23/21 08:06*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 08:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.7		5.00		mg/Kg			10/23/21 05:18	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1444-1	T-5 (0-1)	106	108
890-1444-1 MS	T-5 (0-1)	98	105
890-1444-1 MSD	T-5 (0-1)	270 S1+	282 S1+
890-1444-2	T-5 (1)	111	104
890-1444-3	T-5 (2)	116	103
890-1444-4	T-5 (3)	103	99
890-1444-5	T-5 (4)	130	78
890-1444-6	T-6 (0-1)	116	104
890-1444-7	T-6 (1)	109	68 S1-
890-1444-8	T-6 (2)	107	108
890-1444-9	T-6 (3)	154 S1+	112
890-1444-10	T-6 (4)	107	105
890-1444-11	HD-1 (0-6)	128	103
890-1444-12	HD-2 (0-6)	156 S1+	128
890-1444-13	HD-3 (0-6)	135 S1+	90
890-1444-14	HD-4 (0-6)	118	69 S1-
890-1444-15	HD-5(0-6)	134 S1+	76
890-1444-16	HD-6 (0-6)	119	101
890-1444-17	HD-7 (0-6)	112	102
890-1444-18	HD-8 (0-6)	114	111
890-1444-19	HD-9 (0-6)	116	100
890-1444-20	HD-10 (0-6)	135 S1+	106
LCS 880-9999/1-A	Lab Control Sample	91	103
LCSD 880-9999/2-A	Lab Control Sample Dup	89	105
MB 880-9999/5-A	Method Blank	104	105

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1444-1	T-5 (0-1)	110	132 S1+
890-1444-1 MS	T-5 (0-1)	114	122
890-1444-1 MSD	T-5 (0-1)	115	124
890-1444-2	T-5 (1)	110	132 S1+
890-1444-3	T-5 (2)	109	127
890-1444-4	T-5 (3)	107	127
890-1444-5	T-5 (4)	121	141 S1+
890-1444-6	T-6 (0-1)	109	127
890-1444-7	T-6 (1)	108	125
890-1444-8	T-6 (2)	110	126
890-1444-9	T-6 (3)	129	138 S1+
890-1444-10	T-6 (4)	112	117
890-1444-11	HD-1 (0-6)	116	122
890-1444-12	HD-2 (0-6)	139 S1+	141 S1+

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1444-1
Project/Site: Booster Pump 1003 SDG: Eddy 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)										
890-1444-13	HD-3 (0-6)	114	118										
890-1444-14	HD-4 (0-6)	130	134 S1+										
890-1444-15	HD-5(0-6)	133 S1+	134 S1+										
890-1444-16	HD-6 (0-6)	133 S1+	137 S1+										
890-1444-17	HD-7 (0-6)	127	130										
890-1444-18	HD-8 (0-6)	113	115										
890-1444-19	HD-9 (0-6)	122	129										
890-1444-20	HD-10 (0-6)	119	134 S1+										
LCS 880-10222/2-A	Lab Control Sample	92	100										
LCSD 880-10222/3-A	Lab Control Sample Dup	99	106										
MB 880-10222/1-A	Method Blank	116	137 S1+										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-9999/5-A
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 13:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 13:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 13:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/21 13:52	10/22/21 13:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:52	10/22/21 13:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/21 13:52	10/22/21 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/20/21 13:52*	*10/22/21 13:54*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/20/21 13:52*	*10/22/21 13:54*	*1*

Lab Sample ID: LCS 880-9999/1-A
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1072		mg/Kg		107	70 - 130
Toluene	0.100	0.09646		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09951		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2242		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1077		mg/Kg		108	70 - 130

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

Lab Sample ID: LCSD 880-9999/2-A
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1063		mg/Kg		106	70 - 130	1	35
Toluene	0.100	0.09445		mg/Kg		94	70 - 130	2	35
Ethylbenzene	0.100	0.09162		mg/Kg		92	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2012		mg/Kg		101	70 - 130	11	35
o-Xylene	0.100	0.09808		mg/Kg		98	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-1444-1 MS
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: T-5 (0-1)
Prep Type: Total/NA
Prep Batch: 9999

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1 F2	0.0990	0.1010		mg/Kg		102	70 - 130
Toluene	<0.00199	U F1 F2	0.0990	0.08984		mg/Kg		91	70 - 130

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1444-1
Project/Site: Booster Pump 1003 SDG: Eddy County NM

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

Lab Sample ID: 890-1444-1 MS **Client Sample ID: T-5 (0-1)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 10197 **Prep Batch: 9999**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U F1 F2	0.0990	0.08474		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.00723	F1 F2	0.198	0.08084	F1	mg/Kg		37	70 - 130
o-Xylene	0.00326	F1 F2	0.0990	0.08975		mg/Kg		87	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-1444-1 MSD **Client Sample ID: T-5 (0-1)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 10197 **Prep Batch: 9999**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.0998	0.2607	F1 F2	mg/Kg		261	70 - 130	88	35
Toluene	<0.00199	U F1 F2	0.0998	0.2324	F1 F2	mg/Kg		233	70 - 130	88	35
Ethylbenzene	<0.00199	U F1 F2	0.0998	0.2158	F1 F2	mg/Kg		215	70 - 130	87	35
m-Xylene & p-Xylene	0.00723	F1 F2	0.200	0.4605	F1 F2	mg/Kg		227	70 - 130	140	35
o-Xylene	0.00326	F1 F2	0.0998	0.2258	F1 F2	mg/Kg		223	70 - 130	86	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*270*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*282*	*S1+*	*70 - 130*

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

Lab Sample ID: MB 880-10222/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 10163 **Prep Batch: 10222**

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		10/22/21 11:26	10/23/21 04:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 04:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 11:26	10/23/21 04:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*10/22/21 11:26*	*10/23/21 04:14*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*10/22/21 11:26*	*10/23/21 04:14*	*1*

Lab Sample ID: LCS 880-10222/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 10163 **Prep Batch: 10222**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	820.4		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	942.1		mg/Kg		94	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-10222/2-A
Matrix: Solid
Analysis Batch: 10163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10222

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-10222/3-A
Matrix: Solid
Analysis Batch: 10163

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10222

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	872.5		mg/Kg		87	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1007		mg/Kg		101	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 890-1444-1 MS
Matrix: Solid
Analysis Batch: 10163

Client Sample ID: T-5 (0-1)
Prep Type: Total/NA
Prep Batch: 10222

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	997	810.1		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	839.1		mg/Kg		84	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 890-1444-1 MSD
Matrix: Solid
Analysis Batch: 10163

Client Sample ID: T-5 (0-1)
Prep Type: Total/NA
Prep Batch: 10222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	853.6		mg/Kg		85	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	870.1		mg/Kg		87	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	124		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9775/1-A
Matrix: Solid
Analysis Batch: 10150

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			10/22/21 07:56	1

Lab Sample ID: LCS 880-9775/2-A
Matrix: Solid
Analysis Batch: 10150

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-9775/3-A
Matrix: Solid
Analysis Batch: 10150

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	262.6		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 890-1437-A-2-B MS
Matrix: Solid
Analysis Batch: 10150

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	111		251	363.9		mg/Kg		101	90 - 110

Lab Sample ID: 890-1437-A-2-C MSD
Matrix: Solid
Analysis Batch: 10150

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	111		251	351.8		mg/Kg		96	90 - 110	3	20

Lab Sample ID: MB 880-9968/1-A
Matrix: Solid
Analysis Batch: 10224

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			10/23/21 02:12	1

Lab Sample ID: LCS 880-9968/2-A
Matrix: Solid
Analysis Batch: 10224

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-9968/3-A
Matrix: Solid
Analysis Batch: 10224

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	261.7		mg/Kg		105	90 - 110	1	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1444-5 MS
Matrix: Solid
Analysis Batch: 10224

Client Sample ID: T-5 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	34.1		250	293.2		mg/Kg		104	90 - 110		

Lab Sample ID: 890-1444-5 MSD
Matrix: Solid
Analysis Batch: 10224

Client Sample ID: T-5 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	34.1		250	295.2		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-1444-15 MS
Matrix: Solid
Analysis Batch: 10224

Client Sample ID: HD-5(0-6)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	23.8		250	277.3		mg/Kg		101	90 - 110		

Lab Sample ID: 890-1444-15 MSD
Matrix: Solid
Analysis Batch: 10224

Client Sample ID: HD-5(0-6)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	23.8		250	279.3		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

GC VOA

Prep Batch: 9999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-1	T-5 (0-1)	Total/NA	Solid	5035	
890-1444-2	T-5 (1)	Total/NA	Solid	5035	
890-1444-3	T-5 (2)	Total/NA	Solid	5035	
890-1444-4	T-5 (3)	Total/NA	Solid	5035	
890-1444-5	T-5 (4)	Total/NA	Solid	5035	
890-1444-6	T-6 (0-1)	Total/NA	Solid	5035	
890-1444-7	T-6 (1)	Total/NA	Solid	5035	
890-1444-8	T-6 (2)	Total/NA	Solid	5035	
890-1444-9	T-6 (3)	Total/NA	Solid	5035	
890-1444-10	T-6 (4)	Total/NA	Solid	5035	
890-1444-11	HD-1 (0-6)	Total/NA	Solid	5035	
890-1444-12	HD-2 (0-6)	Total/NA	Solid	5035	
890-1444-13	HD-3 (0-6)	Total/NA	Solid	5035	
890-1444-14	HD-4 (0-6)	Total/NA	Solid	5035	
890-1444-15	HD-5(0-6)	Total/NA	Solid	5035	
890-1444-16	HD-6 (0-6)	Total/NA	Solid	5035	
890-1444-17	HD-7 (0-6)	Total/NA	Solid	5035	
890-1444-18	HD-8 (0-6)	Total/NA	Solid	5035	
890-1444-19	HD-9 (0-6)	Total/NA	Solid	5035	
890-1444-20	HD-10 (0-6)	Total/NA	Solid	5035	
MB 880-9999/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9999/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9999/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1444-1 MS	T-5 (0-1)	Total/NA	Solid	5035	
890-1444-1 MSD	T-5 (0-1)	Total/NA	Solid	5035	

Analysis Batch: 10197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-1	T-5 (0-1)	Total/NA	Solid	8021B	9999
890-1444-2	T-5 (1)	Total/NA	Solid	8021B	9999
890-1444-3	T-5 (2)	Total/NA	Solid	8021B	9999
890-1444-4	T-5 (3)	Total/NA	Solid	8021B	9999
890-1444-5	T-5 (4)	Total/NA	Solid	8021B	9999
890-1444-6	T-6 (0-1)	Total/NA	Solid	8021B	9999
890-1444-7	T-6 (1)	Total/NA	Solid	8021B	9999
890-1444-8	T-6 (2)	Total/NA	Solid	8021B	9999
890-1444-9	T-6 (3)	Total/NA	Solid	8021B	9999
890-1444-10	T-6 (4)	Total/NA	Solid	8021B	9999
890-1444-11	HD-1 (0-6)	Total/NA	Solid	8021B	9999
890-1444-12	HD-2 (0-6)	Total/NA	Solid	8021B	9999
890-1444-13	HD-3 (0-6)	Total/NA	Solid	8021B	9999
890-1444-14	HD-4 (0-6)	Total/NA	Solid	8021B	9999
890-1444-15	HD-5(0-6)	Total/NA	Solid	8021B	9999
890-1444-16	HD-6 (0-6)	Total/NA	Solid	8021B	9999
890-1444-17	HD-7 (0-6)	Total/NA	Solid	8021B	9999
890-1444-18	HD-8 (0-6)	Total/NA	Solid	8021B	9999
890-1444-19	HD-9 (0-6)	Total/NA	Solid	8021B	9999
890-1444-20	HD-10 (0-6)	Total/NA	Solid	8021B	9999
MB 880-9999/5-A	Method Blank	Total/NA	Solid	8021B	9999
LCS 880-9999/1-A	Lab Control Sample	Total/NA	Solid	8021B	9999
LCSD 880-9999/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9999

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 10197 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-1 MS	T-5 (0-1)	Total/NA	Solid	8021B	9999
890-1444-1 MSD	T-5 (0-1)	Total/NA	Solid	8021B	9999

Analysis Batch: 10526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-1	T-5 (0-1)	Total/NA	Solid	Total BTEX	
890-1444-2	T-5 (1)	Total/NA	Solid	Total BTEX	
890-1444-3	T-5 (2)	Total/NA	Solid	Total BTEX	
890-1444-4	T-5 (3)	Total/NA	Solid	Total BTEX	
890-1444-5	T-5 (4)	Total/NA	Solid	Total BTEX	
890-1444-6	T-6 (0-1)	Total/NA	Solid	Total BTEX	
890-1444-7	T-6 (1)	Total/NA	Solid	Total BTEX	
890-1444-8	T-6 (2)	Total/NA	Solid	Total BTEX	
890-1444-9	T-6 (3)	Total/NA	Solid	Total BTEX	
890-1444-10	T-6 (4)	Total/NA	Solid	Total BTEX	
890-1444-11	HD-1 (0-6)	Total/NA	Solid	Total BTEX	
890-1444-12	HD-2 (0-6)	Total/NA	Solid	Total BTEX	
890-1444-13	HD-3 (0-6)	Total/NA	Solid	Total BTEX	
890-1444-14	HD-4 (0-6)	Total/NA	Solid	Total BTEX	
890-1444-15	HD-5(0-6)	Total/NA	Solid	Total BTEX	
890-1444-16	HD-6 (0-6)	Total/NA	Solid	Total BTEX	
890-1444-17	HD-7 (0-6)	Total/NA	Solid	Total BTEX	
890-1444-18	HD-8 (0-6)	Total/NA	Solid	Total BTEX	
890-1444-19	HD-9 (0-6)	Total/NA	Solid	Total BTEX	
890-1444-20	HD-10 (0-6)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 10163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-1	T-5 (0-1)	Total/NA	Solid	8015B NM	10222
890-1444-2	T-5 (1)	Total/NA	Solid	8015B NM	10222
890-1444-3	T-5 (2)	Total/NA	Solid	8015B NM	10222
890-1444-4	T-5 (3)	Total/NA	Solid	8015B NM	10222
890-1444-5	T-5 (4)	Total/NA	Solid	8015B NM	10222
890-1444-6	T-6 (0-1)	Total/NA	Solid	8015B NM	10222
890-1444-7	T-6 (1)	Total/NA	Solid	8015B NM	10222
890-1444-8	T-6 (2)	Total/NA	Solid	8015B NM	10222
MB 880-10222/1-A	Method Blank	Total/NA	Solid	8015B NM	10222
LCS 880-10222/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10222
LCSD 880-10222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10222
890-1444-1 MS	T-5 (0-1)	Total/NA	Solid	8015B NM	10222
890-1444-1 MSD	T-5 (0-1)	Total/NA	Solid	8015B NM	10222

Analysis Batch: 10165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-9	T-6 (3)	Total/NA	Solid	8015B NM	10222
890-1444-10	T-6 (4)	Total/NA	Solid	8015B NM	10222
890-1444-11	HD-1 (0-6)	Total/NA	Solid	8015B NM	10222
890-1444-12	HD-2 (0-6)	Total/NA	Solid	8015B NM	10222
890-1444-13	HD-3 (0-6)	Total/NA	Solid	8015B NM	10222

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 10165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-14	HD-4 (0-6)	Total/NA	Solid	8015B NM	10222
890-1444-15	HD-5(0-6)	Total/NA	Solid	8015B NM	10222
890-1444-16	HD-6 (0-6)	Total/NA	Solid	8015B NM	10222
890-1444-17	HD-7 (0-6)	Total/NA	Solid	8015B NM	10222
890-1444-18	HD-8 (0-6)	Total/NA	Solid	8015B NM	10222
890-1444-19	HD-9 (0-6)	Total/NA	Solid	8015B NM	10222
890-1444-20	HD-10 (0-6)	Total/NA	Solid	8015B NM	10222

Analysis Batch: 10196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-1	T-5 (0-1)	Total/NA	Solid	8015 NM	
890-1444-2	T-5 (1)	Total/NA	Solid	8015 NM	
890-1444-3	T-5 (2)	Total/NA	Solid	8015 NM	
890-1444-4	T-5 (3)	Total/NA	Solid	8015 NM	
890-1444-5	T-5 (4)	Total/NA	Solid	8015 NM	
890-1444-6	T-6 (0-1)	Total/NA	Solid	8015 NM	
890-1444-7	T-6 (1)	Total/NA	Solid	8015 NM	
890-1444-8	T-6 (2)	Total/NA	Solid	8015 NM	
890-1444-9	T-6 (3)	Total/NA	Solid	8015 NM	
890-1444-10	T-6 (4)	Total/NA	Solid	8015 NM	
890-1444-11	HD-1 (0-6)	Total/NA	Solid	8015 NM	
890-1444-12	HD-2 (0-6)	Total/NA	Solid	8015 NM	
890-1444-13	HD-3 (0-6)	Total/NA	Solid	8015 NM	
890-1444-14	HD-4 (0-6)	Total/NA	Solid	8015 NM	
890-1444-15	HD-5(0-6)	Total/NA	Solid	8015 NM	
890-1444-16	HD-6 (0-6)	Total/NA	Solid	8015 NM	
890-1444-17	HD-7 (0-6)	Total/NA	Solid	8015 NM	
890-1444-18	HD-8 (0-6)	Total/NA	Solid	8015 NM	
890-1444-19	HD-9 (0-6)	Total/NA	Solid	8015 NM	
890-1444-20	HD-10 (0-6)	Total/NA	Solid	8015 NM	

Prep Batch: 10222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-1	T-5 (0-1)	Total/NA	Solid	8015NM Prep	
890-1444-2	T-5 (1)	Total/NA	Solid	8015NM Prep	
890-1444-3	T-5 (2)	Total/NA	Solid	8015NM Prep	
890-1444-4	T-5 (3)	Total/NA	Solid	8015NM Prep	
890-1444-5	T-5 (4)	Total/NA	Solid	8015NM Prep	
890-1444-6	T-6 (0-1)	Total/NA	Solid	8015NM Prep	
890-1444-7	T-6 (1)	Total/NA	Solid	8015NM Prep	
890-1444-8	T-6 (2)	Total/NA	Solid	8015NM Prep	
890-1444-9	T-6 (3)	Total/NA	Solid	8015NM Prep	
890-1444-10	T-6 (4)	Total/NA	Solid	8015NM Prep	
890-1444-11	HD-1 (0-6)	Total/NA	Solid	8015NM Prep	
890-1444-12	HD-2 (0-6)	Total/NA	Solid	8015NM Prep	
890-1444-13	HD-3 (0-6)	Total/NA	Solid	8015NM Prep	
890-1444-14	HD-4 (0-6)	Total/NA	Solid	8015NM Prep	
890-1444-15	HD-5(0-6)	Total/NA	Solid	8015NM Prep	
890-1444-16	HD-6 (0-6)	Total/NA	Solid	8015NM Prep	
890-1444-17	HD-7 (0-6)	Total/NA	Solid	8015NM Prep	
890-1444-18	HD-8 (0-6)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 10222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-19	HD-9 (0-6)	Total/NA	Solid	8015NM Prep	
890-1444-20	HD-10 (0-6)	Total/NA	Solid	8015NM Prep	
MB 880-10222/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10222/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1444-1 MS	T-5 (0-1)	Total/NA	Solid	8015NM Prep	
890-1444-1 MSD	T-5 (0-1)	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 9775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-1	T-5 (0-1)	Soluble	Solid	DI Leach	
890-1444-2	T-5 (1)	Soluble	Solid	DI Leach	
890-1444-3	T-5 (2)	Soluble	Solid	DI Leach	
890-1444-4	T-5 (3)	Soluble	Solid	DI Leach	
MB 880-9775/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9775/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9775/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1437-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1437-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 9968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-5	T-5 (4)	Soluble	Solid	DI Leach	
890-1444-6	T-6 (0-1)	Soluble	Solid	DI Leach	
890-1444-7	T-6 (1)	Soluble	Solid	DI Leach	
890-1444-8	T-6 (2)	Soluble	Solid	DI Leach	
890-1444-9	T-6 (3)	Soluble	Solid	DI Leach	
890-1444-10	T-6 (4)	Soluble	Solid	DI Leach	
890-1444-11	HD-1 (0-6)	Soluble	Solid	DI Leach	
890-1444-12	HD-2 (0-6)	Soluble	Solid	DI Leach	
890-1444-13	HD-3 (0-6)	Soluble	Solid	DI Leach	
890-1444-14	HD-4 (0-6)	Soluble	Solid	DI Leach	
890-1444-15	HD-5(0-6)	Soluble	Solid	DI Leach	
890-1444-16	HD-6 (0-6)	Soluble	Solid	DI Leach	
890-1444-17	HD-7 (0-6)	Soluble	Solid	DI Leach	
890-1444-18	HD-8 (0-6)	Soluble	Solid	DI Leach	
890-1444-19	HD-9 (0-6)	Soluble	Solid	DI Leach	
890-1444-20	HD-10 (0-6)	Soluble	Solid	DI Leach	
MB 880-9968/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9968/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9968/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1444-5 MS	T-5 (4)	Soluble	Solid	DI Leach	
890-1444-5 MSD	T-5 (4)	Soluble	Solid	DI Leach	
890-1444-15 MS	HD-5(0-6)	Soluble	Solid	DI Leach	
890-1444-15 MSD	HD-5(0-6)	Soluble	Solid	DI Leach	

Analysis Batch: 10150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-1	T-5 (0-1)	Soluble	Solid	300.0	9775

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 10150 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-2	T-5 (1)	Soluble	Solid	300.0	9775
890-1444-3	T-5 (2)	Soluble	Solid	300.0	9775
890-1444-4	T-5 (3)	Soluble	Solid	300.0	9775
MB 880-9775/1-A	Method Blank	Soluble	Solid	300.0	9775
LCS 880-9775/2-A	Lab Control Sample	Soluble	Solid	300.0	9775
LCSD 880-9775/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9775
890-1437-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	9775
890-1437-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9775

Analysis Batch: 10224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1444-5	T-5 (4)	Soluble	Solid	300.0	9968
890-1444-6	T-6 (0-1)	Soluble	Solid	300.0	9968
890-1444-7	T-6 (1)	Soluble	Solid	300.0	9968
890-1444-8	T-6 (2)	Soluble	Solid	300.0	9968
890-1444-9	T-6 (3)	Soluble	Solid	300.0	9968
890-1444-10	T-6 (4)	Soluble	Solid	300.0	9968
890-1444-11	HD-1 (0-6)	Soluble	Solid	300.0	9968
890-1444-12	HD-2 (0-6)	Soluble	Solid	300.0	9968
890-1444-13	HD-3 (0-6)	Soluble	Solid	300.0	9968
890-1444-14	HD-4 (0-6)	Soluble	Solid	300.0	9968
890-1444-15	HD-5(0-6)	Soluble	Solid	300.0	9968
890-1444-16	HD-6 (0-6)	Soluble	Solid	300.0	9968
890-1444-17	HD-7 (0-6)	Soluble	Solid	300.0	9968
890-1444-18	HD-8 (0-6)	Soluble	Solid	300.0	9968
890-1444-19	HD-9 (0-6)	Soluble	Solid	300.0	9968
890-1444-20	HD-10 (0-6)	Soluble	Solid	300.0	9968
MB 880-9968/1-A	Method Blank	Soluble	Solid	300.0	9968
LCS 880-9968/2-A	Lab Control Sample	Soluble	Solid	300.0	9968
LCSD 880-9968/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9968
890-1444-5 MS	T-5 (4)	Soluble	Solid	300.0	9968
890-1444-5 MSD	T-5 (4)	Soluble	Solid	300.0	9968
890-1444-15 MS	HD-5(0-6)	Soluble	Solid	300.0	9968
890-1444-15 MSD	HD-5(0-6)	Soluble	Solid	300.0	9968

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-5 (0-1)

Lab Sample ID: 890-1444-1
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 14:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10163	10/23/21 05:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9775	10/18/21 14:38	CA	XEN MID
Soluble	Analysis	300.0		1			10150	10/22/21 11:09	CH	XEN MID

Client Sample ID: T-5 (1)

Lab Sample ID: 890-1444-2
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 14:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10163	10/23/21 06:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	9775	10/18/21 14:38	CA	XEN MID
Soluble	Analysis	300.0		1			10150	10/22/21 11:16	CH	XEN MID

Client Sample ID: T-5 (2)

Lab Sample ID: 890-1444-3
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 14:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10163	10/23/21 06:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9775	10/18/21 14:38	CA	XEN MID
Soluble	Analysis	300.0		1			10150	10/22/21 11:23	CH	XEN MID

Client Sample ID: T-5 (3)

Lab Sample ID: 890-1444-4
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 15:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-5 (3)

Lab Sample ID: 890-1444-4
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10163	10/23/21 07:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9775	10/18/21 14:38	CA	XEN MID
Soluble	Analysis	300.0		1			10150	10/22/21 11:31	CH	XEN MID

Client Sample ID: T-5 (4)

Lab Sample ID: 890-1444-5
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 15:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10163	10/23/21 07:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 02:33	CH	XEN MID

Client Sample ID: T-6 (0-1)

Lab Sample ID: 890-1444-6
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 15:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10163	10/23/21 07:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 02:55	CH	XEN MID

Client Sample ID: T-6 (1)

Lab Sample ID: 890-1444-7
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 16:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10163	10/23/21 08:06	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: T-6 (1)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1444-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 03:02	CH	XEN MID

Client Sample ID: T-6 (2)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1444-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 16:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10163	10/23/21 08:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 03:09	CH	XEN MID

Client Sample ID: T-6 (3)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1444-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 16:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 04:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 03:16	CH	XEN MID

Client Sample ID: T-6 (4)

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1444-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 17:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 04:35	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 03:38	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: HD-1 (0-6)

Lab Sample ID: 890-1444-11
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 18:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 04:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 03:45	CH	XEN MID

Client Sample ID: HD-2 (0-6)

Lab Sample ID: 890-1444-12
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 19:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 05:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 03:52	CH	XEN MID

Client Sample ID: HD-3 (0-6)

Lab Sample ID: 890-1444-13
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 19:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 05:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 04:00	CH	XEN MID

Client Sample ID: HD-4 (0-6)

Lab Sample ID: 890-1444-14
Matrix: Solid
Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 19:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Client Sample ID: HD-4 (0-6)

Lab Sample ID: 890-1444-14

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 05:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 04:07	CH	XEN MID

Client Sample ID: HD-5(0-6)

Lab Sample ID: 890-1444-15

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 20:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 06:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 04:14	CH	XEN MID

Client Sample ID: HD-6 (0-6)

Lab Sample ID: 890-1444-16

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 20:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 06:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 04:35	CH	XEN MID

Client Sample ID: HD-7 (0-6)

Lab Sample ID: 890-1444-17

Date Collected: 10/15/21 00:00
Date Received: 10/15/21 15:43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 20:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 07:02	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1444-1
Project/Site: Booster Pump 1003 SDG: Eddy County NM

Client Sample ID: HD-7 (0-6) Lab Sample ID: 890-1444-17

Date Collected: 10/15/21 00:00 **Matrix: Solid**
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 04:42	CH	XEN MID

Client Sample ID: HD-8 (0-6) Lab Sample ID: 890-1444-18

Date Collected: 10/15/21 00:00 **Matrix: Solid**
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 21:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 07:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 05:04	CH	XEN MID

Client Sample ID: HD-9 (0-6) Lab Sample ID: 890-1444-19

Date Collected: 10/15/21 00:00 **Matrix: Solid**
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 21:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 07:45	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 05:11	CH	XEN MID

Client Sample ID: HD-10 (0-6) Lab Sample ID: 890-1444-20

Date Collected: 10/15/21 00:00 **Matrix: Solid**
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9999	10/20/21 13:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/22/21 21:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10222	10/22/21 11:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10165	10/23/21 08:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 05:18	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 890-1444-1
Project/Site: Booster Pump 1003 SDG: Eddy 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	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc. Job ID: 890-1444-1
Project/Site: Booster Pump 1003 SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1444-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1444-1	T-5 (0-1)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 1
890-1444-2	T-5 (1)	Solid	10/15/21 00:00	10/15/21 15:43	1
890-1444-3	T-5 (2)	Solid	10/15/21 00:00	10/15/21 15:43	2
890-1444-4	T-5 (3)	Solid	10/15/21 00:00	10/15/21 15:43	3
890-1444-5	T-5 (4)	Solid	10/15/21 00:00	10/15/21 15:43	4
890-1444-6	T-6 (0-1)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 1
890-1444-7	T-6 (1)	Solid	10/15/21 00:00	10/15/21 15:43	1
890-1444-8	T-6 (2)	Solid	10/15/21 00:00	10/15/21 15:43	2
890-1444-9	T-6 (3)	Solid	10/15/21 00:00	10/15/21 15:43	3
890-1444-10	T-6 (4)	Solid	10/15/21 00:00	10/15/21 15:43	4
890-1444-11	HD-1 (0-6)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 6
890-1444-12	HD-2 (0-6)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 6
890-1444-13	HD-3 (0-6)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 6
890-1444-14	HD-4 (0-6)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 6
890-1444-15	HD-5(0-6)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 6
890-1444-16	HD-6 (0-6)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 6
890-1444-17	HD-7 (0-6)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 6
890-1444-18	HD-8 (0-6)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 6
890-1444-19	HD-9 (0-6)	Solid	10/15/21 00:00	10/15/21 15:43	0 - 6
890-1444-20	HD-10 (0-6)	Solid	10/15/21 00:00	10/15/21 15:43	00 - 6

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

890-1444 Chain of Custody

Client Name: Solaris	Site Manager: Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County, New Mex.	Project #: 212C-MD-02236
Invoice to: Tetra Tech, inc.	
Receiving Laboratory: Eurofins Xenco	Sampler Signature:
Comments:	

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)
	T-5 (0-1')	10/15/21			X			X			
	T-5 (1')										
	T-5 (2')										
	T-5 (3')										
	T-5 (4')										
	T-6 (0-1')										
	T-6 (1')										
	T-6 (2')										
	T-6 (3')										
	T-6 (4')										

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	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance			Hold
	X	X													X						

Relinquished by:	Date:	Time:	Received by:	Date: Time:
	10/15/21	3:40PM		10.15.21 1543
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by:	Date: Time:

LAB USE ONLY

Sample Temperature 5.4 5.2

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Solaris
Site Manager: Brittany Long
Project Name: Booster Pump 1003
Project Location (county, state): Eddy County, New Mexico
Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.
Receiving Laboratory: Eurofins Xenco
Sampler Signature:
Comments:

LAB # (LAB USE ONLY)	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 / 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
	HD-1 (0-6")	10/15/21			X			X				X		X												X								
	HD-2 (0-6")																																	
	HD-3 (0-6")																																	
	HD-4 (0-6")																																	
	HD-5 (0-6")																																	
	HD-6 (0-6")																																	
	HD-7 (0-6")																																	
	HD-8 (0-6")																																	
	HD-9 (0-6")																																	
	HD-10 (0-6")																																	

Relinquished by: Date: Time:
Brittany Long 10/15/21 3:40PM

Received by: Date: Time:
Cloe Cruz 10.15.21 1543

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB USE ONLY
Sample Temperature

REMARKS:
☒ STANDARD
☐ RUSH: Same Day 24 hr 48 hr 72 hr
☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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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: 890-467 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1444-1
Address: 1211 W Florida Ave	Due Date Requested: 10/21/2021			
City: Midland	TAT Requested (days)			
State Zip: TX 79701				
Phone: 432 704-5440(Tel)	PO #			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
T-5 (0-1) (890-1444-1)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
T-5 (1) (890-1444-2)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
T-5 (2) (890-1444-3)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
T-5 (3) (890-1444-4)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
T-5 (4) (890-1444-5)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
T-6 (0-1) (890-1444-6)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
T-6 (1) (890-1444-7)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
T-6 (2) (890-1444-8)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
T-6 (3) (890-1444-9)	10/15/21	Mountain		Solid			X	X	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 10 18 21	Date/Time:	Company	Received by: JKramer	Date/Time: 10.19 21	Company	
Relinquished by:	Date/Time	Company	Received by:	Date/Time 1100	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: 2.4/2.5

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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: 890-467 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 2 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1444-1
Address: 1211 W Florida Ave	Due Date Requested: 10/21/2021			
City: Midland	TAT Requested (days)			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
			esen tion Code										
T-6 (4) (890-1444-10)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
HD-1 (0-6) (890-1444-11)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
HD-2 (0-6) (890-1444-12)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
HD-3 (0-6) (890-1444-13)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
HD-4 (0-6) (890-1444-14)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
HD-5(0-6) (890-1444-15)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
HD-6 (0-6) (890-1444-16)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
HD-7 (0-6) (890-1444-17)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
HD-8 (0-6) (890-1444-18)	10/15/21	Mountain		Solid			X	X	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 ma nta n acc edita o n the State of Origi l ed above for analysis/tests/matri being anc yzed 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: Clee Cuff 10.18.21	Date/Time	Company	Received by: Jkramer / Date/Time / 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

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Eurofins Xenco, Carlsbad
1089 N Canal St
Carlsbad NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-467 3
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Louisiana NELAP - Texas		Job #: 890-1444-1
Address: 1211 W Florida Ave	Due Date Requested: 10/21/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432 704-5440(Tel)	PO #			
Email	WO #			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
			Preservation Code		X	X						X	
HD-9 (0-6) (890-1444-19)	10/15/21	Mountain		Solid			X	X	X	X	X	1	
HD-10 (0-6) (890-1444-20)	10/15/21	Mountain		Solid			X	X	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: Cue Cuf 10-18-21	Date/Time	Company	Received by: JKramer — Date/Time — 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: 06/08/2021

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1444-1
SDG Number: Eddy County NM

Login Number: 1444
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, 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: 890-1444-1
SDG Number: Eddy County NM

Login Number: 1444
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 10/19/21 11:03 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4/2.5
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").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1445-1
Laboratory Sample Delivery Group: Eddy County
Client Project/Site: Booster Pump 1003

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
10/25/2021 6:13:08 PM

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

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Visit us at: www.eurofinsus.com/Env

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

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

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Laboratory Job ID: 890-1445-1
SDG: Eddy County

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-1445-1
Project/Site: Booster Pump 1003 SDG: Eddy County

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Job ID: 890-1445-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1445-1

Receipt
The samples were received on 10/15/2021 3:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-10005 and analytical batch 880-10194 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-69 (4) (890-1445-31), SW-85 (2) (890-1445-51), (MB 880-10004/5-A), (MB 880-10005/5-A) and (MB 880-9471/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-10271 and 880-10274 and analytical batch 880-10313 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC
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: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-1 (0-1)

Lab Sample ID: 890-1445-1
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:56	10/23/21 11:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:56	10/23/21 11:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:56	10/23/21 11:59	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/20/21 13:56	10/23/21 11:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:56	10/23/21 11:59	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/20/21 13:56	10/23/21 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/20/21 13:56*	*10/23/21 11:59*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/20/21 13:56*	*10/23/21 11:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 21:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 21:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/21/21 14:33*	*10/21/21 21:52*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/21/21 14:33*	*10/21/21 21:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.0**		4.95		mg/Kg			10/23/21 05:26	1

Client Sample ID: T-1 (1)

Lab Sample ID: 890-1445-2
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
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		10/20/21 13:56	10/23/21 12:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:56	10/23/21 12:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:56	10/23/21 12:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:56	10/23/21 12:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:56	10/23/21 12:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:56	10/23/21 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/20/21 13:56*	*10/23/21 12:19*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-1 (1)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 1

Lab Sample ID: 890-1445-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/20/21 13:56*	*10/23/21 12:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/21/21 14:33	10/21/21 22:51	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/21/21 14:33	10/21/21 22:51	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/21/21 14:33	10/21/21 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/21/21 14:33*	*10/21/21 22:51*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/21/21 14:33*	*10/21/21 22:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.1**		5.04		mg/Kg			10/23/21 05:33	1

Client Sample ID: T-1 (2)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1445-3

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		10/20/21 13:56	10/23/21 12:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:56	10/23/21 12:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:56	10/23/21 12:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:56	10/23/21 12:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:56	10/23/21 12:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:56	10/23/21 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/20/21 13:56*	*10/23/21 12:40*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/20/21 13:56*	*10/23/21 12:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-1 (2)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1445-3

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		10/21/21 14:33	10/21/21 23:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 23:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/21/21 14:33*	*10/21/21 23:11*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/21/21 14:33*	*10/21/21 23:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.2**		4.96		mg/Kg			10/23/21 05:40	1

Client Sample ID: T-1 (3)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 3

Lab Sample ID: 890-1445-4

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		10/20/21 13:56	10/23/21 13:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:56	10/23/21 13:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:56	10/23/21 13:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:56	10/23/21 13:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:56	10/23/21 13:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:56	10/23/21 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*10/20/21 13:56*	*10/23/21 13:00*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/20/21 13:56*	*10/23/21 13:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 23:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 23:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/21/21 14:33*	*10/21/21 23:31*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/21/21 14:33*	*10/21/21 23:31*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-1 (3)

Lab Sample ID: 890-1445-4
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.8		4.97		mg/Kg			10/23/21 05:47	1

Client Sample ID: T-1 (4)

Lab Sample ID: 890-1445-5
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:56	10/23/21 13:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:56	10/23/21 13:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:56	10/23/21 13:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 13:56	10/23/21 13:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:56	10/23/21 13:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 13:56	10/23/21 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*10/20/21 13:56*	*10/23/21 13:21*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/20/21 13:56*	*10/23/21 13:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 23:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 23:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/21/21 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*10/21/21 14:33*	*10/21/21 23:51*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/21/21 14:33*	*10/21/21 23:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		4.98		mg/Kg			10/22/21 23:34	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-2 (0-1)

Lab Sample ID: 890-1445-6
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 17:54	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		10/24/21 14:32	10/24/21 17:54	1
o-Xylene	<0.00200	U F2	0.00200		mg/Kg		10/24/21 14:32	10/24/21 17:54	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		10/24/21 14:32	10/24/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/24/21 14:32*	*10/24/21 17:54*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/24/21 14:32*	*10/24/21 17:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 00:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 00:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/21/21 14:33*	*10/22/21 00:11*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/21/21 14:33*	*10/22/21 00:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.8**		4.97		mg/Kg			10/22/21 23:41	1

Client Sample ID: T-2 (1)

Lab Sample ID: 890-1445-7
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
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		10/24/21 14:32	10/24/21 18:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 18:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 18:14	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/24/21 14:32	10/24/21 18:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 18:14	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		10/24/21 14:32	10/24/21 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 18:14*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-2 (1)

Lab Sample ID: 890-1445-7
Matrix: Solid

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/24/21 14:32*	*10/24/21 18:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 00:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 00:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*103*		*70 - 130*	*10/21/21 14:33*	*10/22/21 00:30*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/21/21 14:33*	*10/22/21 00:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.2**		4.95		mg/Kg			10/22/21 23:48	1

Client Sample ID: T-2 (2)

Lab Sample ID: 890-1445-8
Matrix: Solid

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 18:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 18:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 18:34	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		10/24/21 14:32	10/24/21 18:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 18:34	1
Xylenes, Total	<0.00401	U *- *1	0.00401		mg/Kg		10/24/21 14:32	10/24/21 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 18:34*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/24/21 14:32*	*10/24/21 18:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**66.8**		50.0		mg/Kg			10/22/21 09:28	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-2 (2)

Lab Sample ID: 890-1445-8
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
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		10/21/21 14:33	10/22/21 06:57	1
Diesel Range Organics (Over C10-C28)	**66.8**		50.0		mg/Kg		10/21/21 14:33	10/22/21 06:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/21/21 14:33*	*10/22/21 06:57*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/21/21 14:33*	*10/22/21 06:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.4**		4.99		mg/Kg			10/22/21 23:56	1

Client Sample ID: T-2 (3)

Lab Sample ID: 890-1445-9
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
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		10/24/21 14:32	10/24/21 18:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 18:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 18:55	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/24/21 14:32	10/24/21 18:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 18:55	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		10/24/21 14:32	10/24/21 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 18:55*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/24/21 14:32*	*10/24/21 18:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 07:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 07:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*10/21/21 14:33*	*10/22/21 07:17*	*1*
o-Terphenyl	*124*		*70 - 130*	*10/21/21 14:33*	*10/22/21 07:17*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-2 (3)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 3

Lab Sample ID: 890-1445-9

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.7		5.04		mg/Kg			10/23/21 00:03	1

Client Sample ID: T-2 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Lab Sample ID: 890-1445-10

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		10/24/21 14:32	10/24/21 19:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 19:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 19:15	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		10/24/21 14:32	10/24/21 19:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 19:15	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		10/24/21 14:32	10/24/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 19:15*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*10/24/21 14:32*	*10/24/21 19:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 07:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 07:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/21/21 14:33*	*10/22/21 07:37*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/21/21 14:33*	*10/22/21 07:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		4.96		mg/Kg			10/23/21 00:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-3 (0-1)

Lab Sample ID: 890-1445-11

Date Collected: 10/13/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
Sample Depth: 0

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/24/21 14:32	10/24/21 19:36	1
Toluene	**0.00908**		0.00202		mg/Kg		10/24/21 14:32	10/24/21 19:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/24/21 14:32	10/24/21 19:36	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		10/24/21 14:32	10/24/21 19:36	1
o-Xylene	**0.00648**		0.00202		mg/Kg		10/24/21 14:32	10/24/21 19:36	1
Xylenes, Total	**0.00648**	***- *1**	0.00403		mg/Kg		10/24/21 14:32	10/24/21 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 19:36*	*1*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*10/24/21 14:32*	*10/24/21 19:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0156**		0.00403		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 08:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 08:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 08:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/21/21 14:33*	*10/22/21 08:17*	*1*
o-Terphenyl	*90*		*70 - 130*	*10/21/21 14:33*	*10/22/21 08:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.8**		4.98		mg/Kg			10/23/21 00:32	1

Client Sample ID: T-3 (1)

Lab Sample ID: 890-1445-12

Date Collected: 10/13/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
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		10/24/21 14:32	10/24/21 19:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/24/21 14:32	10/24/21 19:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/24/21 14:32	10/24/21 19:56	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		10/24/21 14:32	10/24/21 19:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/24/21 14:32	10/24/21 19:56	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		10/24/21 14:32	10/24/21 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 19:56*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-3 (1)

Lab Sample ID: 890-1445-12
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*10/24/21 14:32*	*10/24/21 19:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 08:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 08:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*10/21/21 14:33*	*10/22/21 08:38*	*1*
o-Terphenyl	*120*		*70 - 130*	*10/21/21 14:33*	*10/22/21 08:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.2**		4.95		mg/Kg			10/23/21 00:53	1

Client Sample ID: T-3 (2)

Lab Sample ID: 890-1445-13
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
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		10/24/21 14:32	10/24/21 20:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/24/21 14:32	10/24/21 20:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/24/21 14:32	10/24/21 20:16	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		10/24/21 14:32	10/24/21 20:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/24/21 14:32	10/24/21 20:16	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		10/24/21 14:32	10/24/21 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*10/24/21 14:32*	*10/24/21 20:16*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/24/21 14:32*	*10/24/21 20:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-3 (2)

Lab Sample ID: 890-1445-13
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
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		10/21/21 14:33	10/22/21 08:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 08:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*10/21/21 14:33*	*10/22/21 08:59*	*1*
o-Terphenyl	*119*		*70 - 130*	*10/21/21 14:33*	*10/22/21 08:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.3**		4.97		mg/Kg			10/23/21 01:00	1

Client Sample ID: T-3 (3)

Lab Sample ID: 890-1445-14
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
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		10/24/21 14:32	10/24/21 20:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/24/21 14:32	10/24/21 20:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/24/21 14:32	10/24/21 20:37	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		10/24/21 14:32	10/24/21 20:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/24/21 14:32	10/24/21 20:37	1
Xylenes, Total	<0.00403	U *- *1	0.00403		mg/Kg		10/24/21 14:32	10/24/21 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 20:37*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/24/21 14:32*	*10/24/21 20:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 09:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 09:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/21/21 14:33*	*10/22/21 09:19*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/21/21 14:33*	*10/22/21 09:19*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-3 (3)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 3

Lab Sample ID: 890-1445-14

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.0		4.99		mg/Kg			10/23/21 01:07	1

Client Sample ID: T-3 (4)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Lab Sample ID: 890-1445-15

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		10/24/21 14:32	10/24/21 20:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/24/21 14:32	10/24/21 20:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/24/21 14:32	10/24/21 20:57	1
m-Xylene & p-Xylene	<0.00404	U *- *1	0.00404		mg/Kg		10/24/21 14:32	10/24/21 20:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/24/21 14:32	10/24/21 20:57	1
Xylenes, Total	<0.00404	U *- *1	0.00404		mg/Kg		10/24/21 14:32	10/24/21 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 20:57*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/24/21 14:32*	*10/24/21 20:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 09:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 09:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*10/21/21 14:33*	*10/22/21 09:40*	*1*
o-Terphenyl	*123*		*70 - 130*	*10/21/21 14:33*	*10/22/21 09:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.9		4.99		mg/Kg			10/23/21 01:15	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-4 (0-1)

Lab Sample ID: 890-1445-16
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 0

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		10/24/21 14:32	10/24/21 22:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 22:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 22:19	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/24/21 14:32	10/24/21 22:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 22:19	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		10/24/21 14:32	10/24/21 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*10/24/21 14:32*	*10/24/21 22:19*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/24/21 14:32*	*10/24/21 22:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Method: 8015B 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		10/21/21 14:33	10/22/21 10:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/21 14:33	10/22/21 10:01	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/21 14:33	10/22/21 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*10/21/21 14:33*	*10/22/21 10:01*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/21/21 14:33*	*10/22/21 10:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.6**		5.02		mg/Kg			10/23/21 01:22	1

Client Sample ID: T-4 (1)

Lab Sample ID: 890-1445-17
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
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		10/24/21 14:32	10/24/21 22:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 22:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 22:39	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		10/24/21 14:32	10/24/21 22:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 22:39	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		10/24/21 14:32	10/24/21 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 22:39*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-4 (1)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 1

Lab Sample ID: 890-1445-17

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/24/21 14:32*	*10/24/21 22:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 10:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 10:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/21/21 14:33*	*10/22/21 10:22*	*1*
o-Terphenyl	*119*		*70 - 130*	*10/21/21 14:33*	*10/22/21 10:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.3**		5.00		mg/Kg			10/23/21 01:29	1

Client Sample ID: T-4 (2)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1445-18

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		10/24/21 14:32	10/24/21 23:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 23:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 23:00	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/24/21 14:32	10/24/21 23:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/21 14:32	10/24/21 23:00	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		10/24/21 14:32	10/24/21 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 23:00*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/24/21 14:32*	*10/24/21 23:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-4 (2)

Lab Sample ID: 890-1445-18
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
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		10/21/21 14:33	10/22/21 10:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 10:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/21 14:33	10/22/21 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*10/21/21 14:33*	*10/22/21 10:43*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/21/21 14:33*	*10/22/21 10:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.9**		5.00		mg/Kg			10/23/21 01:36	1

Client Sample ID: T-4 (3)

Lab Sample ID: 890-1445-19
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
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		10/24/21 14:32	10/24/21 23:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 23:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 23:20	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		10/24/21 14:32	10/24/21 23:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 23:20	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		10/24/21 14:32	10/24/21 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 23:20*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*10/24/21 14:32*	*10/24/21 23:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Method: 8015B 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		10/21/21 14:33	10/22/21 11:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/21 14:33	10/22/21 11:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/21 14:33	10/22/21 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/21/21 14:33*	*10/22/21 11:03*	*1*
o-Terphenyl	*113*		*70 - 130*	*10/21/21 14:33*	*10/22/21 11:03*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-4 (3)

Lab Sample ID: 890-1445-19
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			10/21/21 22:56	1

Client Sample ID: T-4 (4)

Lab Sample ID: 890-1445-20
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/24/21 14:32	10/24/21 23:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/24/21 14:32	10/24/21 23:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/24/21 14:32	10/24/21 23:41	1
m-Xylene & p-Xylene	<0.00397	U *- *1	0.00397		mg/Kg		10/24/21 14:32	10/24/21 23:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/24/21 14:32	10/24/21 23:41	1
Xylenes, Total	<0.00397	U *- *1	0.00397		mg/Kg		10/24/21 14:32	10/24/21 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*10/24/21 14:32*	*10/24/21 23:41*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/24/21 14:32*	*10/24/21 23:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/25/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 11:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 11:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:33	10/22/21 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*10/21/21 14:33*	*10/22/21 11:24*	*1*
o-Terphenyl	*124*		*70 - 130*	*10/21/21 14:33*	*10/22/21 11:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			10/21/21 23:02	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-59 (4)

Lab Sample ID: 890-1445-21

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1 F2	0.00202		mg/Kg		10/20/21 13:59	10/24/21 00:29	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		10/20/21 13:59	10/24/21 00:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:59	10/24/21 00:29	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/20/21 13:59	10/24/21 00:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:59	10/24/21 00:29	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/20/21 13:59	10/24/21 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*10/20/21 13:59*	*10/24/21 00:29*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/20/21 13:59*	*10/24/21 00:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Method: 8015B 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		10/22/21 16:32	10/24/21 05:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 16:32	10/24/21 05:54	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 16:32	10/24/21 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*10/22/21 16:32*	*10/24/21 05:54*	*1*
o-Terphenyl	*116*		*70 - 130*	*10/22/21 16:32*	*10/24/21 05:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.4**		4.95		mg/Kg			10/21/21 23:08	1

Client Sample ID: BH-60 (4)

Lab Sample ID: 890-1445-22

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 00:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 00:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 00:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 13:59	10/24/21 00:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 00:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 13:59	10/24/21 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/20/21 13:59*	*10/24/21 00:55*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-60 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Lab Sample ID: 890-1445-22

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/20/21 13:59*	*10/24/21 00:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		10/22/21 16:36	10/23/21 12:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		10/22/21 16:36	10/23/21 12:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/22/21 16:36*	*10/23/21 12:32*	*1*
o-Terphenyl	*85*		*70 - 130*	*10/22/21 16:36*	*10/23/21 12:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.9**		5.00		mg/Kg			10/21/21 23:13	1

Client Sample ID: BH-61 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Lab Sample ID: 890-1445-23

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		10/20/21 13:59	10/24/21 01:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 01:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 01:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/21 13:59	10/24/21 01:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 01:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/21 13:59	10/24/21 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*10/20/21 13:59*	*10/24/21 01:20*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/20/21 13:59*	*10/24/21 01:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-61 (4)

Lab Sample ID: 890-1445-23
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 13:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 13:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*10/22/21 16:36*	*10/23/21 13:37*	*1*
o-Terphenyl	*89*		*70 - 130*	*10/22/21 16:36*	*10/23/21 13:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.96**		4.95		mg/Kg			10/21/21 23:19	1

Client Sample ID: BH-62 (4)

Lab Sample ID: 890-1445-24
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 01:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 01:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 01:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 13:59	10/24/21 01:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 01:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 13:59	10/24/21 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/20/21 13:59*	*10/24/21 01:46*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/20/21 13:59*	*10/24/21 01:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 13:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 13:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*10/22/21 16:36*	*10/23/21 13:58*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/22/21 16:36*	*10/23/21 13:58*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-62 (4)

Lab Sample ID: 890-1445-24
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.8		5.04		mg/Kg			10/21/21 23:25	1

Client Sample ID: BH-63 (4)

Lab Sample ID: 890-1445-25
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:59	10/24/21 02:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:59	10/24/21 02:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:59	10/24/21 02:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/20/21 13:59	10/24/21 02:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:59	10/24/21 02:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/20/21 13:59	10/24/21 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*10/20/21 13:59*	*10/24/21 02:12*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/20/21 13:59*	*10/24/21 02:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 14:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 14:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/22/21 16:36*	*10/23/21 14:20*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/22/21 16:36*	*10/23/21 14:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.84		4.99		mg/Kg			10/21/21 23:43	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-64 (4)

Lab Sample ID: 890-1445-26

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
Sample Depth: 4

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		10/20/21 13:59	10/24/21 02:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 02:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 02:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 02:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 02:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/20/21 13:59*	*10/24/21 02:37*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/20/21 13:59*	*10/24/21 02:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 14:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 14:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/22/21 16:36*	*10/23/21 14:41*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/22/21 16:36*	*10/23/21 14:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.4**		5.00		mg/Kg			10/21/21 23:49	1

Client Sample ID: BH-65 (4)

Lab Sample ID: 890-1445-27

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
Sample Depth: 4

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		10/20/21 13:59	10/24/21 03:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 03:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 03:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 03:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 03:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*10/20/21 13:59*	*10/24/21 03:03*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-65 (4)

Lab Sample ID: 890-1445-27
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/20/21 13:59*	*10/24/21 03:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Method: 8015B 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		10/22/21 16:36	10/23/21 15:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 16:36	10/23/21 15:03	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 16:36	10/23/21 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/22/21 16:36*	*10/23/21 15:03*	*1*
o-Terphenyl	*89*		*70 - 130*	*10/22/21 16:36*	*10/23/21 15:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.6**		5.00		mg/Kg			10/22/21 00:06	1

Client Sample ID: BH-66 (4)

Lab Sample ID: 890-1445-28
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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		10/20/21 13:59	10/24/21 03:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 03:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 03:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 03:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 03:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/20/21 13:59*	*10/24/21 03:29*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/20/21 13:59*	*10/24/21 03:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-66 (4)

Lab Sample ID: 890-1445-28
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 15:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 15:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/22/21 16:36*	*10/23/21 15:24*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/22/21 16:36*	*10/23/21 15:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.3**		4.98		mg/Kg			10/22/21 00:12	1

Client Sample ID: BH-67 (4)

Lab Sample ID: 890-1445-29
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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		10/20/21 13:59	10/24/21 03:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 03:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 03:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 03:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 03:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/20/21 13:59*	*10/24/21 03:54*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/20/21 13:59*	*10/24/21 03:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 15:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 15:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/22/21 16:36*	*10/23/21 15:46*	*1*
o-Terphenyl	*113*		*70 - 130*	*10/22/21 16:36*	*10/23/21 15:46*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-67 (4)

Lab Sample ID: 890-1445-29
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.1		4.95		mg/Kg			10/22/21 00:18	1

Client Sample ID: BH-68 (4)

Lab Sample ID: 890-1445-30
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 04:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 04:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 04:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/21 13:59	10/24/21 04:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 04:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/21 13:59	10/24/21 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*10/20/21 13:59*	*10/24/21 04:20*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/20/21 13:59*	*10/24/21 04:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 16:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 16:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/22/21 16:36*	*10/23/21 16:08*	*1*
o-Terphenyl	*94*		*70 - 130*	*10/22/21 16:36*	*10/23/21 16:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		4.97		mg/Kg			10/22/21 00:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-69 (4)

Lab Sample ID: 890-1445-31
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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		10/20/21 13:59	10/24/21 06:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 06:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 06:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 06:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 06:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*	*10/20/21 13:59*	*10/24/21 06:03*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*10/20/21 13:59*	*10/24/21 06:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 16:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 16:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*10/22/21 16:36*	*10/23/21 16:29*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/22/21 16:36*	*10/23/21 16:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.5**		4.99		mg/Kg			10/22/21 00:30	1

Client Sample ID: BH-70 (2)

Lab Sample ID: 890-1445-32
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 06:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 06:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 06:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/21 13:59	10/24/21 06:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 06:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/21 13:59	10/24/21 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/20/21 13:59*	*10/24/21 06:28*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-70 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1445-32

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/20/21 13:59*	*10/24/21 06:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 17:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*85*		*70 - 130*	*10/22/21 16:36*	*10/23/21 17:12*	*1*
o-Terphenyl	*91*		*70 - 130*	*10/22/21 16:36*	*10/23/21 17:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.3**		5.05		mg/Kg			10/22/21 00:35	1

Client Sample ID: BH-71 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1445-33

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		10/20/21 13:59	10/24/21 06:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 06:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 06:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/21 13:59	10/24/21 06:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 06:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/21 13:59	10/24/21 06:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/20/21 13:59*	*10/24/21 06:54*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/20/21 13:59*	*10/24/21 06:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-71 (2)

Lab Sample ID: 890-1445-33
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
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		10/22/21 16:36	10/23/21 17:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 17:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*10/22/21 16:36*	*10/23/21 17:34*	*1*
o-Terphenyl	*88*		*70 - 130*	*10/22/21 16:36*	*10/23/21 17:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**309**		5.02		mg/Kg			10/22/21 00:41	1

Client Sample ID: BH-72 (2)

Lab Sample ID: 890-1445-34
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 07:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 07:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 07:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 13:59	10/24/21 07:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 07:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 13:59	10/24/21 07:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*10/20/21 13:59*	*10/24/21 07:22*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/20/21 13:59*	*10/24/21 07:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 17:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 17:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/22/21 16:36*	*10/23/21 17:55*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/22/21 16:36*	*10/23/21 17:55*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-72 (2)

Lab Sample ID: 890-1445-34
Matrix: Solid

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	332		4.99		mg/Kg			10/24/21 13:11	1

Client Sample ID: BH-73 (4)

Lab Sample ID: 890-1445-35
Matrix: Solid

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 07:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 07:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 07:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 13:59	10/24/21 07:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 07:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 13:59	10/24/21 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/20/21 13:59*	*10/24/21 07:50*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/20/21 13:59*	*10/24/21 07:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 18:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 18:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*10/22/21 16:36*	*10/23/21 18:17*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/22/21 16:36*	*10/23/21 18:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	302		5.04		mg/Kg			10/24/21 13:32	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-70 (4)

Lab Sample ID: 890-1445-36
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:59	10/24/21 08:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:59	10/24/21 08:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:59	10/24/21 08:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/20/21 13:59	10/24/21 08:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/20/21 13:59	10/24/21 08:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/20/21 13:59	10/24/21 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/20/21 13:59*	*10/24/21 08:18*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/20/21 13:59*	*10/24/21 08:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 18:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 18:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/22/21 16:36*	*10/23/21 18:38*	*1*
o-Terphenyl	*88*		*70 - 130*	*10/22/21 16:36*	*10/23/21 18:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.0**		4.98		mg/Kg			10/24/21 13:39	1

Client Sample ID: SW-71 (4)

Lab Sample ID: 890-1445-37
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:59	10/24/21 08:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:59	10/24/21 08:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:59	10/24/21 08:45	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/20/21 13:59	10/24/21 08:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/21 13:59	10/24/21 08:45	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/20/21 13:59	10/24/21 08:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*10/20/21 13:59*	*10/24/21 08:45*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-71 (4)

Lab Sample ID: 890-1445-37
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/20/21 13:59*	*10/24/21 08:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 19:00	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/22/21 16:36*	*10/23/21 19:00*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/22/21 16:36*	*10/23/21 19:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.4**		4.95		mg/Kg			10/24/21 13:46	1

Client Sample ID: SW-72 (4)

Lab Sample ID: 890-1445-38
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 09:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 09:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 09:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/21 13:59	10/24/21 09:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/21 13:59	10/24/21 09:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/21 13:59	10/24/21 09:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*10/20/21 13:59*	*10/24/21 09:13*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/20/21 13:59*	*10/24/21 09:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.1**		50.0		mg/Kg			10/22/21 09:28	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-72 (4)

Lab Sample ID: 890-1445-38
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 19:22	1
Diesel Range Organics (Over C10-C28)	**62.1**		50.0		mg/Kg		10/22/21 16:36	10/23/21 19:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*10/22/21 16:36*	*10/23/21 19:22*	*1*
o-Terphenyl	*79*		*70 - 130*	*10/22/21 16:36*	*10/23/21 19:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.3**		4.97		mg/Kg			10/24/21 13:53	1

Client Sample ID: SW-73 (4)

Lab Sample ID: 890-1445-39
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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		10/20/21 13:59	10/24/21 09:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 09:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 09:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 09:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 13:59	10/24/21 09:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 13:59	10/24/21 09:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/20/21 13:59*	*10/24/21 09:41*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/20/21 13:59*	*10/24/21 09:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 19:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 19:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:36	10/23/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*10/22/21 16:36*	*10/23/21 19:44*	*1*
o-Terphenyl	*82*		*70 - 130*	*10/22/21 16:36*	*10/23/21 19:44*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-73 (4)

Lab Sample ID: 890-1445-39
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.5		4.99		mg/Kg			10/24/21 14:13	1

Client Sample ID: SW-74 (4)

Lab Sample ID: 890-1445-40
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 10:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 10:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 10:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/21 13:59	10/24/21 10:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 10:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/21 13:59	10/24/21 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/20/21 13:59*	*10/24/21 10:09*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/20/21 13:59*	*10/24/21 10:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

Method: 8015B 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		10/22/21 16:36	10/23/21 20:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 16:36	10/23/21 20:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 16:36	10/23/21 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*10/22/21 16:36*	*10/23/21 20:06*	*1*
o-Terphenyl	*89*		*70 - 130*	*10/22/21 16:36*	*10/23/21 20:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.4		4.98		mg/Kg			10/24/21 14:20	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-75 (4)

Lab Sample ID: 890-1445-41
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		10/20/21 14:01	10/24/21 14:17	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		10/20/21 14:01	10/24/21 14:17	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		10/20/21 14:01	10/24/21 14:17	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		10/20/21 14:01	10/24/21 14:17	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		10/20/21 14:01	10/24/21 14:17	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		10/20/21 14:01	10/24/21 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/20/21 14:01*	*10/24/21 14:17*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/20/21 14:01*	*10/24/21 14:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/21 09:28	1

Method: 8015B 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		10/22/21 16:36	10/23/21 20:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 16:36	10/23/21 20:28	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 16:36	10/23/21 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*10/22/21 16:36*	*10/23/21 20:28*	*1*
o-Terphenyl	*85*		*70 - 130*	*10/22/21 16:36*	*10/23/21 20:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.0**		4.95		mg/Kg			10/24/21 14:27	1

Client Sample ID: SW-76 (4)

Lab Sample ID: 890-1445-42
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 14:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 14:01	10/24/21 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 14:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 14:01	10/24/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/20/21 14:01*	*10/24/21 14:45*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-76 (4)

Lab Sample ID: 890-1445-42

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/20/21 14:01*	*10/24/21 14:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**79.2**		49.9		mg/Kg			10/22/21 09:28	1

Method: 8015B NM - Diesel 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		10/22/21 16:46	10/23/21 22:10	1
Diesel Range Organics (Over C10-C28)	**79.2**	**F1**	49.9		mg/Kg		10/22/21 16:46	10/23/21 22:10	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/23/21 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/22/21 16:46*	*10/23/21 22:10*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/22/21 16:46*	*10/23/21 22:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.2**		4.95		mg/Kg			10/24/21 14:34	1

Client Sample ID: SW-77 (4)

Lab Sample ID: 890-1445-43

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 15:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 15:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 15:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 14:01	10/24/21 15:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 15:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 14:01	10/24/21 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/20/21 14:01*	*10/24/21 15:13*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/20/21 14:01*	*10/24/21 15:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-77 (4)

Lab Sample ID: 890-1445-43
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/23/21 23:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/23/21 23:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/23/21 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/22/21 16:46*	*10/23/21 23:10*	*1*
o-Terphenyl	*98*		*70 - 130*	*10/22/21 16:46*	*10/23/21 23:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.9**		5.04		mg/Kg			10/24/21 14:41	1

Client Sample ID: SW-78 (4)

Lab Sample ID: 890-1445-44
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/20/21 14:01	10/24/21 15:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/20/21 14:01	10/24/21 15:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/20/21 14:01	10/24/21 15:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/20/21 14:01	10/24/21 15:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/20/21 14:01	10/24/21 15:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/20/21 14:01	10/24/21 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*10/20/21 14:01*	*10/24/21 15:39*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/20/21 14:01*	*10/24/21 15:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/23/21 23:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/23/21 23:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/23/21 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*10/22/21 16:46*	*10/23/21 23:30*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/22/21 16:46*	*10/23/21 23:30*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-78 (4)

Lab Sample ID: 890-1445-44
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.73		4.95		mg/Kg			10/24/21 14:48	1

Client Sample ID: SW-79 (4)

Lab Sample ID: 890-1445-45
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 16:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 16:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/21 14:01	10/24/21 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 16:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/21 14:01	10/24/21 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/20/21 14:01*	*10/24/21 16:06*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/20/21 14:01*	*10/24/21 16:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/23/21 23:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/23/21 23:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/23/21 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/22/21 16:46*	*10/23/21 23:50*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/22/21 16:46*	*10/23/21 23:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.7		4.99		mg/Kg			10/24/21 15:09	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-80 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Lab Sample ID: 890-1445-46

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		10/20/21 14:01	10/24/21 16:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 14:01	10/24/21 16:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 14:01	10/24/21 16:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 14:01	10/24/21 16:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 14:01	10/24/21 16:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 14:01	10/24/21 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/20/21 14:01*	*10/24/21 16:33*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/20/21 14:01*	*10/24/21 16:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/21 09:28	1

Method: 8015B 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		10/22/21 16:46	10/24/21 00:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 16:46	10/24/21 00:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 16:46	10/24/21 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/22/21 16:46*	*10/24/21 00:09*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/22/21 16:46*	*10/24/21 00:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.0**		4.97		mg/Kg			10/24/21 15:16	1

Client Sample ID: SW-81 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1445-47

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		10/20/21 14:01	10/24/21 17:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/20/21 14:01	10/24/21 17:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/21 14:01	10/24/21 17:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/20/21 14:01	10/24/21 17:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/21 14:01	10/24/21 17:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/20/21 14:01	10/24/21 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*10/20/21 14:01*	*10/24/21 17:01*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-81 (2)

Lab Sample ID: 890-1445-47
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/20/21 14:01*	*10/24/21 17:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/24/21 00:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/24/21 00:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/24/21 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/22/21 16:46*	*10/24/21 00:29*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/22/21 16:46*	*10/24/21 00:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.7**		5.01		mg/Kg			10/24/21 15:36	1

Client Sample ID: SW-82 (4)

Lab Sample ID: 890-1445-48
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

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		10/20/21 14:01	10/24/21 17:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 14:01	10/24/21 17:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 14:01	10/24/21 17:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 14:01	10/24/21 17:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 14:01	10/24/21 17:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 14:01	10/24/21 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/20/21 14:01*	*10/24/21 17:29*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/20/21 14:01*	*10/24/21 17:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/21 09:28	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-82 (4)

Lab Sample ID: 890-1445-48
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8015B 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		10/22/21 16:46	10/24/21 00:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/22/21 16:46	10/24/21 00:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/21 16:46	10/24/21 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/22/21 16:46*	*10/24/21 00:49*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/22/21 16:46*	*10/24/21 00:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.7**		4.98		mg/Kg			10/24/21 15:43	1

Client Sample ID: SW-83 (4)

Lab Sample ID: 890-1445-49
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/20/21 14:01	10/24/21 17:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/21 14:01	10/24/21 17:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/21 14:01	10/24/21 17:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/21 14:01	10/24/21 17:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/21 14:01	10/24/21 17:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/21 14:01	10/24/21 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/20/21 14:01*	*10/24/21 17:57*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/20/21 14:01*	*10/24/21 17:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/24/21 01:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/24/21 01:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/24/21 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/22/21 16:46*	*10/24/21 01:09*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/22/21 16:46*	*10/24/21 01:09*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-83 (4)

Lab Sample ID: 890-1445-49
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.5		5.04		mg/Kg			10/24/21 15:50	1

Client Sample ID: SW-84 (4)

Lab Sample ID: 890-1445-50
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 18:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 18:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 18:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/21 14:01	10/24/21 18:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 18:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/21 14:01	10/24/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*10/20/21 14:01*	*10/24/21 18:25*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/20/21 14:01*	*10/24/21 18:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 01:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 01:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/22/21 16:46*	*10/24/21 01:28*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/22/21 16:46*	*10/24/21 01:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.5		4.98		mg/Kg			10/24/21 15:57	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-85 (2)

Lab Sample ID: 890-1445-51
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 18:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 18:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 18:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/21 14:01	10/24/21 18:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 18:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/21 14:01	10/24/21 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*10/20/21 14:01*	*10/24/21 18:53*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/20/21 14:01*	*10/24/21 18:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 01:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 01:48	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/22/21 16:46*	*10/24/21 01:48*	*1*
o-Terphenyl	*112*		*70 - 130*	*10/22/21 16:46*	*10/24/21 01:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.3**		5.00		mg/Kg			10/24/21 16:04	1

Client Sample ID: SW-86 (2)

Lab Sample ID: 890-1445-52
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
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		10/20/21 14:01	10/24/21 20:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/21 14:01	10/24/21 20:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/21 14:01	10/24/21 20:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/21 14:01	10/24/21 20:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/21 14:01	10/24/21 20:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/21 14:01	10/24/21 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/20/21 14:01*	*10/24/21 20:45*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-86 (2)

Lab Sample ID: 890-1445-52
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/20/21 14:01*	*10/24/21 20:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 02:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 02:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*106*		*70 - 130*	*10/22/21 16:46*	*10/24/21 02:28*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/22/21 16:46*	*10/24/21 02:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.7**		5.00		mg/Kg			10/24/21 16:11	1

Client Sample ID: SW-87 (2)

Lab Sample ID: 890-1445-53
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
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		10/20/21 14:01	10/24/21 21:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/21 14:01	10/24/21 21:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/21 14:01	10/24/21 21:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/21 14:01	10/24/21 21:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/21 14:01	10/24/21 21:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/21 14:01	10/24/21 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/20/21 14:01*	*10/24/21 21:13*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/20/21 14:01*	*10/24/21 21:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/21 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/21 09:28	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-87 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43
Sample Depth: 2

Lab Sample ID: 890-1445-53

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 02:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 02:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/21 16:46	10/24/21 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/22/21 16:46*	*10/24/21 02:48*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/22/21 16:46*	*10/24/21 02:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.92**		5.00		mg/Kg			10/24/21 16:18	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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)										
890-1445-1	T-1 (0-1)	114	100										
890-1445-1 MS	T-1 (0-1)	105	102										
890-1445-1 MSD	T-1 (0-1)	105	104										
890-1445-2	T-1 (1)	118	103										
890-1445-3	T-1 (2)	116	100										
890-1445-4	T-1 (3)	110	100										
890-1445-5	T-1 (4)	127	103										
890-1445-6	T-2 (0-1)	112	100										
890-1445-6 MS	T-2 (0-1)	140 S1+	218 S1+										
890-1445-6 MSD	T-2 (0-1)	114	94										
890-1445-7	T-2 (1)	131 S1+	107										
890-1445-8	T-2 (2)	131 S1+	105										
890-1445-9	T-2 (3)	134 S1+	108										
890-1445-10	T-2 (4)	139 S1+	114										
890-1445-11	T-3 (0-1)	159 S1+	130										
890-1445-12	T-3 (1)	144 S1+	87										
890-1445-13	T-3 (2)	127	103										
890-1445-14	T-3 (3)	133 S1+	110										
890-1445-15	T-3 (4)	145 S1+	84										
890-1445-16	T-4 (0-1)	129	101										
890-1445-17	T-4 (1)	144 S1+	108										
890-1445-18	T-4 (2)	143 S1+	98										
890-1445-19	T-4 (3)	136 S1+	75										
890-1445-20	T-4 (4)	157 S1+	109										
890-1445-21	BH-59 (4)	132 S1+	105										
890-1445-21 MS	BH-59 (4)	115	118										
890-1445-21 MSD	BH-59 (4)	92	112										
890-1445-22	BH-60 (4)	105	106										
890-1445-23	BH-61 (4)	110	110										
890-1445-24	BH-62 (4)	107	103										
890-1445-25	BH-63 (4)	110	109										
890-1445-26	BH-64 (4)	114	109										
890-1445-27	BH-65 (4)	113	105										
890-1445-28	BH-66 (4)	116	112										
890-1445-29	BH-67 (4)	114	110										
890-1445-30	BH-68 (4)	115	110										
890-1445-31	BH-69 (4)	186 S1+	71										
890-1445-32	BH-70 (2)	111	106										
890-1445-33	BH-71 (2)	100	112										
890-1445-34	BH-72 (2)	83	88										
890-1445-35	BH-73 (4)	100	110										
890-1445-36	SW-70 (4)	106	109										
890-1445-37	SW-71 (4)	80	93										
890-1445-38	SW-72 (4)	92	108										
890-1445-39	SW-73 (4)	107	115										
890-1445-40	SW-74 (4)	100	111										
890-1445-41	SW-75 (4)	100	106										
890-1445-41 MS	SW-75 (4)	82	100										
890-1445-41 MSD	SW-75 (4)	83	112										

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1445-1
Project/Site: Booster Pump 1003 SDG: Eddy County

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-1445-42	SW-76 (4)	103	113								
890-1445-43	SW-77 (4)	90	104								
890-1445-44	SW-78 (4)	98	106								
890-1445-45	SW-79 (4)	111	108								
890-1445-46	SW-80 (4)	108	110								
890-1445-47	SW-81 (2)	98	110								
890-1445-48	SW-82 (4)	103	111								
890-1445-49	SW-83 (4)	103	112								
890-1445-50	SW-84 (4)	87	105								
890-1445-51	SW-85 (2)	64 S1-	96								
890-1445-52	SW-86 (2)	93	70								
890-1445-53	SW-87 (2)	101	108								
LCS 880-10002/1-A	Lab Control Sample	124	115								
LCS 880-10004/1-A	Lab Control Sample	106	109								
LCS 880-10005/1-A	Lab Control Sample	92	111								
LCS 880-10343/1-A	Lab Control Sample	99	96								
LCSD 880-10002/2-A	Lab Control Sample Dup	105	102								
LCSD 880-10005/2-A	Lab Control Sample Dup	98	115								
LCSD 880-10343/2-A	Lab Control Sample Dup	103	90								
MB 880-10001/5-A	Method Blank	104	97								
MB 880-10002/5-A	Method Blank	105	100								
MB 880-10004/5-A	Method Blank	66 S1-	96								
MB 880-10005/5-A	Method Blank	66 S1-	98								
MB 880-10343/5-A	Method Blank	106	105								
MB 880-9471/5-A	Method Blank	95	141 S1+								

Surrogate Legend

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

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID										
LCSD 880-10004/2-A	Lab Control Sample Dup										

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)								
890-1445-1	T-1 (0-1)	104	114								
890-1445-1 MS	T-1 (0-1)	110	108								
890-1445-1 MSD	T-1 (0-1)	112	111								
890-1445-2	T-1 (1)	104	114								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1445-1
Project/Site: Booster Pump 1003 SDG: Eddy County

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-1445-3	T-1 (2)	105	114								
890-1445-4	T-1 (3)	102	111								
890-1445-5	T-1 (4)	106	117								
890-1445-6	T-2 (0-1)	95	100								
890-1445-7	T-2 (1)	103	111								
890-1445-8	T-2 (2)	104	110								
890-1445-9	T-2 (3)	113	124								
890-1445-10	T-2 (4)	99	105								
890-1445-11	T-3 (0-1)	88	90								
890-1445-12	T-3 (1)	113	120								
890-1445-13	T-3 (2)	113	119								
890-1445-14	T-3 (3)	109	121								
890-1445-15	T-3 (4)	113	123								
890-1445-16	T-4 (0-1)	97	100								
890-1445-17	T-4 (1)	110	119								
890-1445-18	T-4 (2)	111	118								
890-1445-19	T-4 (3)	104	113								
890-1445-20	T-4 (4)	113	124								
890-1445-21	BH-59 (4)	97	116								
890-1445-22	BH-60 (4)	81	85								
890-1445-22 MS	BH-60 (4)	88	91								
890-1445-22 MSD	BH-60 (4)	89	90								
890-1445-23	BH-61 (4)	85	89								
890-1445-24	BH-62 (4)	83	92								
890-1445-25	BH-63 (4)	88	97								
890-1445-26	BH-64 (4)	98	105								
890-1445-27	BH-65 (4)	84	89								
890-1445-28	BH-66 (4)	88	96								
890-1445-29	BH-67 (4)	98	113								
890-1445-30	BH-68 (4)	86	94								
890-1445-31	BH-69 (4)	89	97								
890-1445-32	BH-70 (2)	85	91								
890-1445-33	BH-71 (2)	83	88								
890-1445-34	BH-72 (2)	86	92								
890-1445-35	BH-73 (4)	101	108								
890-1445-36	SW-70 (4)	81	88								
890-1445-37	SW-71 (4)	86	92								
890-1445-38	SW-72 (4)	76	79								
890-1445-39	SW-73 (4)	77	82								
890-1445-40	SW-74 (4)	82	89								
890-1445-41	SW-75 (4)	80	85								
890-1445-42	SW-76 (4)	103	107								
890-1445-42 MS	SW-76 (4)	89	92								
890-1445-42 MSD	SW-76 (4)	94	98								
890-1445-43	SW-77 (4)	95	98								
890-1445-44	SW-78 (4)	97	104								
890-1445-45	SW-79 (4)	100	107								
890-1445-46	SW-80 (4)	103	110								
890-1445-47	SW-81 (2)	100	106								
890-1445-48	SW-82 (4)	100	107								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1445-1
Project/Site: Booster Pump 1003 SDG: Eddy County

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
890-1445-49	SW-83 (4)	102	110
890-1445-50	SW-84 (4)	100	107
890-1445-51	SW-85 (2)	105	112
890-1445-52	SW-86 (2)	106	110
890-1445-53	SW-87 (2)	103	111
890-1456-A-5-D MS	Matrix Spike	72	76
890-1456-A-5-E MSD	Matrix Spike Duplicate	75	80
LCS 880-10135/2-A	Lab Control Sample	99	99
LCS 880-10271/2-A	Lab Control Sample	83	92
LCS 880-10274/2-A	Lab Control Sample	76	82
LCS 880-10277/2-A	Lab Control Sample	101	100
LCSD 880-10135/3-A	Lab Control Sample Dup	102	102
LCSD 880-10271/3-A	Lab Control Sample Dup	82	89
LCSD 880-10274/3-A	Lab Control Sample Dup	81	89
LCSD 880-10277/3-A	Lab Control Sample Dup	105	106
MB 880-10135/1-A	Method Blank	109	119
MB 880-10271/1-A	Method Blank	104	128
MB 880-10274/1-A	Method Blank	86	93
MB 880-10277/1-A	Method Blank	111	126

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-10001/5-A
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:54	10/23/21 00:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:54	10/23/21 00:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:54	10/23/21 00:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/21 13:54	10/23/21 00:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:54	10/23/21 00:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/21 13:54	10/23/21 00:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/20/21 13:54*	*10/23/21 00:45*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/20/21 13:54*	*10/23/21 00:45*	*1*

Lab Sample ID: MB 880-10002/5-A
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10002

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:56	10/23/21 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:56	10/23/21 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:56	10/23/21 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/21 13:56	10/23/21 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:56	10/23/21 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/21 13:56	10/23/21 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/20/21 13:56*	*10/23/21 11:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/20/21 13:56*	*10/23/21 11:37*	*1*

Lab Sample ID: LCS 880-10002/1-A
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10002

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1270		mg/Kg		127	70 - 130		
Toluene			0.100	0.1186		mg/Kg		119	70 - 130		
Ethylbenzene			0.100	0.1117		mg/Kg		112	70 - 130		
m-Xylene & p-Xylene			0.200	0.2345		mg/Kg		117	70 - 130		
o-Xylene			0.100	0.1194		mg/Kg		119	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-10002/2-A
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10002

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1017		mg/Kg		102	70 - 130	22	35

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: LCSD 880-10002/2-A
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10002

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.09339		mg/Kg		93	70 - 130	24	35
Ethylbenzene			0.100	0.08935		mg/Kg		89	70 - 130	22	35
m-Xylene & p-Xylene			0.200	0.1868		mg/Kg		93	70 - 130	23	35
o-Xylene			0.100	0.09462		mg/Kg		95	70 - 130	23	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-1445-1 MS
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: T-1 (0-1)
Prep Type: Total/NA
Prep Batch: 10002

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0990	0.09606		mg/Kg		97	70 - 130
Toluene	<0.00198	U	0.0990	0.08610		mg/Kg		87	70 - 130
Ethylbenzene	<0.00198	U	0.0990	0.08186		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.198	0.1740		mg/Kg		88	70 - 130
o-Xylene	<0.00198	U	0.0990	0.08853		mg/Kg		89	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-1445-1 MSD
Matrix: Solid
Analysis Batch: 10197

Client Sample ID: T-1 (0-1)
Prep Type: Total/NA
Prep Batch: 10002

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.1029		mg/Kg		102	70 - 130	7	35
Toluene	<0.00198	U	0.100	0.09336		mg/Kg		93	70 - 130	8	35
Ethylbenzene	<0.00198	U	0.100	0.08812		mg/Kg		88	70 - 130	7	35
m-Xylene & p-Xylene	<0.00397	U	0.201	0.1879		mg/Kg		94	70 - 130	8	35
o-Xylene	<0.00198	U	0.100	0.09456		mg/Kg		94	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-10004/5-A
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10004

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 00:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 00:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 00:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/21 13:59	10/24/21 00:03	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: MB 880-10004/5-A
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10004

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 13:59	10/24/21 00:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/21 13:59	10/24/21 00:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*10/20/21 13:59*	*10/24/21 00:03*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/20/21 13:59*	*10/24/21 00:03*	*1*

Lab Sample ID: LCS 880-10004/1-A
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10004

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09643		mg/Kg		96	70 - 130		
Toluene			0.100	0.08692		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.09536		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene			0.200	0.1892		mg/Kg		95	70 - 130		
o-Xylene			0.100	0.09635		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-10004/2-A
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10004

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07176		mg/Kg					
Toluene			0.100	0.07243		mg/Kg					
Ethylbenzene			0.100	0.07758		mg/Kg					
m-Xylene & p-Xylene			0.200	0.1528		mg/Kg					
o-Xylene			0.100	0.07932		mg/Kg					

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

Lab Sample ID: 890-1445-21 MS
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: BH-59 (4)
Prep Type: Total/NA
Prep Batch: 10004

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00202	U F1 F2	0.100	0.09318		mg/Kg		93	70 - 130		
Toluene	<0.00202	U F1	0.100	0.08618		mg/Kg		86	70 - 130		
Ethylbenzene	<0.00202	U	0.100	0.09630		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.201	0.1921		mg/Kg		96	70 - 130		
o-Xylene	<0.00202	U	0.100	0.09893		mg/Kg		99	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: 890-1445-21 MS
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: BH-59 (4)
Prep Type: Total/NA
Prep Batch: 10004

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 890-1445-21 MSD
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: BH-59 (4)
Prep Type: Total/NA
Prep Batch: 10004

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U F1 F2	0.100	0.06082	F1 F2	mg/Kg		61	70 - 130	42	35
Toluene	<0.00202	U F1	0.100	0.06415	F1	mg/Kg		64	70 - 130	29	35
Ethylbenzene	<0.00202	U	0.100	0.07287		mg/Kg		73	70 - 130	28	35
m-Xylene & p-Xylene	<0.00403	U	0.201	0.1443		mg/Kg		72	70 - 130	28	35
o-Xylene	<0.00202	U	0.100	0.07404		mg/Kg		74	70 - 130	29	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-10005/5-A
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 13:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 13:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 13:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/21 14:01	10/24/21 13:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/21 14:01	10/24/21 13:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/21 14:01	10/24/21 13:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	10/20/21 14:01	10/24/21 13:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/20/21 14:01	10/24/21 13:49	1

Lab Sample ID: LCS 880-10005/1-A
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10005

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09032		mg/Kg		90	70 - 130		
Toluene			0.100	0.08388		mg/Kg		84	70 - 130		
Ethylbenzene			0.100	0.07931		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1550		mg/Kg		78	70 - 130		
o-Xylene			0.100	0.08064		mg/Kg		81	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-10005/1-A
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10005

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

Lab Sample ID: LCSD 880-10005/2-A
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10005

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09394		mg/Kg		94	70 - 130	4	35
Toluene			0.100	0.08810		mg/Kg		88	70 - 130	5	35
Ethylbenzene			0.100	0.08474		mg/Kg		85	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1668		mg/Kg		83	70 - 130	7	35
o-Xylene			0.100	0.08643		mg/Kg		86	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 890-1445-41 MS
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: SW-75 (4)
Prep Type: Total/NA
Prep Batch: 10005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U F1	0.0996	0.03375	F1	mg/Kg		34	70 - 130		
Toluene	<0.00199	U F1	0.0996	0.03988	F1	mg/Kg		40	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0996	0.04409	F1	mg/Kg		44	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.08668	F1	mg/Kg		44	70 - 130		
o-Xylene	<0.00199	U F1	0.0996	0.04511	F1	mg/Kg		45	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-1445-41 MSD
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: SW-75 (4)
Prep Type: Total/NA
Prep Batch: 10005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0996	0.03853	F1	mg/Kg		39	70 - 130	13	35
Toluene	<0.00199	U F1	0.0996	0.03861	F1	mg/Kg		39	70 - 130	3	35
Ethylbenzene	<0.00199	U F1	0.0996	0.04023	F1	mg/Kg		40	70 - 130	9	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.08036	F1	mg/Kg		40	70 - 130	8	35
o-Xylene	<0.00199	U F1	0.0996	0.04260	F1	mg/Kg		43	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: MB 880-10343/5-A
Matrix: Solid
Analysis Batch: 10342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 17:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 17:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 17:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/24/21 14:32	10/24/21 17:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/21 14:32	10/24/21 17:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/24/21 14:32	10/24/21 17:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/24/21 14:32*	*10/24/21 17:32*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/24/21 14:32*	*10/24/21 17:32*	*1*

Lab Sample ID: LCS 880-10343/1-A
Matrix: Solid
Analysis Batch: 10342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09389		mg/Kg		94	70 - 130
Toluene	0.100	0.09205		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09142		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1912		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09194		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-10343/2-A
Matrix: Solid
Analysis Batch: 10342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09434		mg/Kg		94	70 - 130	0	35
Toluene	0.100	0.09438		mg/Kg		94	70 - 130	3	35
Ethylbenzene	0.100	0.08914		mg/Kg		89	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.09265	*- *1	mg/Kg		46	70 - 130	69	35
o-Xylene	0.100	0.09299		mg/Kg		93	70 - 130	1	35

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

Lab Sample ID: 890-1445-6 MS
Matrix: Solid
Analysis Batch: 10342

Client Sample ID: T-2 (0-1)
Prep Type: Total/NA
Prep Batch: 10343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.101	0.1106		mg/Kg		109	70 - 130
Toluene	<0.00200	U	0.101	0.09624		mg/Kg		95	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: 890-1445-6 MS
Matrix: Solid
Analysis Batch: 10342

Client Sample ID: T-2 (0-1)
Prep Type: Total/NA
Prep Batch: 10343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.101	0.1052		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00399	U *- *1	0.202	0.1932		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U F2	0.101	0.1256		mg/Kg		124	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*218*	*S1+*	*70 - 130*

Lab Sample ID: 890-1445-6 MSD
Matrix: Solid
Analysis Batch: 10342

Client Sample ID: T-2 (0-1)
Prep Type: Total/NA
Prep Batch: 10343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.07836		mg/Kg		78	70 - 130	34	35
Toluene	<0.00200	U	0.0996	0.08075		mg/Kg		80	70 - 130	18	35
Ethylbenzene	<0.00200	U	0.0996	0.08167		mg/Kg		82	70 - 130	25	35
m-Xylene & p-Xylene	<0.00399	U *- *1	0.199	0.1720		mg/Kg		86	70 - 130	12	35
o-Xylene	<0.00200	U F2	0.0996	0.08421	F2	mg/Kg		84	70 - 130	39	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 880-9471/5-A
Matrix: Solid
Analysis Batch: 10194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 13:03	10/23/21 10:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 13:03	10/23/21 10:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 13:03	10/23/21 10:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 13:03	10/23/21 10:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 13:03	10/23/21 10:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 13:03	10/23/21 10:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/14/21 13:03*	*10/23/21 10:03*	*1*
1,4-Difluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*10/14/21 13:03*	*10/23/21 10:03*	*1*

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

Lab Sample ID: MB 880-10135/1-A
Matrix: Solid
Analysis Batch: 10051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10135

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		10/21/21 14:32	10/21/21 20:53	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: MB 880-10135/1-A
Matrix: Solid
Analysis Batch: 10051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/21 14:32	10/21/21 20:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/21 14:32	10/21/21 20:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/21/21 14:32*	*10/21/21 20:53*	*1*
o-Terphenyl	*119*		*70 - 130*	*10/21/21 14:32*	*10/21/21 20:53*	*1*

Lab Sample ID: LCS 880-10135/2-A
Matrix: Solid
Analysis Batch: 10051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10135

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	821.9		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	821.5		mg/Kg		82	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-10135/3-A
Matrix: Solid
Analysis Batch: 10051

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10135

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	943.6		mg/Kg		94	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	852.7		mg/Kg		85	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 890-1445-1 MS
Matrix: Solid
Analysis Batch: 10051

Client Sample ID: T-1 (0-1)
Prep Type: Total/NA
Prep Batch: 10135

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1165		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	974.5		mg/Kg		98	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: 890-1445-1 MSD
Matrix: Solid
Analysis Batch: 10051

Client Sample ID: T-1 (0-1)
Prep Type: Total/NA
Prep Batch: 10135

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1209		mg/Kg		121	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1010		mg/Kg		101	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: MB 880-10271/1-A
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10271

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		10/22/21 16:32	10/23/21 21:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:32	10/23/21 21:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:32	10/23/21 21:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/22/21 16:32*	*10/23/21 21:12*	*1*
o-Terphenyl	*128*		*70 - 130*	*10/22/21 16:32*	*10/23/21 21:12*	*1*

Lab Sample ID: LCS 880-10271/2-A
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	848.8		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	922.7		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: LCSD 880-10271/3-A
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	833.9		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	898.5		mg/Kg		90	70 - 130	3	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: LCSD 880-10271/3-A
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10271

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 890-1456-A-5-D MS
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 10271

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	997	<49.9	U F1	mg/Kg		0	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	<49.9	U F1	mg/Kg		0	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	72		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 890-1456-A-5-E MSD
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 10271

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	1000	<50.0	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	<50.0	U F1	mg/Kg		0	70 - 130	NC	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: MB 880-10274/1-A
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10274

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		10/22/21 16:36	10/23/21 11:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 11:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:36	10/23/21 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	10/22/21 16:36	10/23/21 11:28	1
o-Terphenyl	93		70 - 130	10/22/21 16:36	10/23/21 11:28	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: LCS 880-10274/2-A
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10274

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	717.7		mg/Kg		72	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	722.7		mg/Kg		72	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: LCSD 880-10274/3-A
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10274

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	738.9		mg/Kg		74	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	789.8		mg/Kg		79	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: 890-1445-22 MS
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: BH-60 (4)
Prep Type: Total/NA
Prep Batch: 10274

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	667.3	F1	mg/Kg		67	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	659.4	F1	mg/Kg		66	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: 890-1445-22 MSD
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: BH-60 (4)
Prep Type: Total/NA
Prep Batch: 10274

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	730.7		mg/Kg		73	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	669.2	F1	mg/Kg		67	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: 890-1445-22 MSD
Matrix: Solid
Analysis Batch: 10313

Client Sample ID: BH-60 (4)
Prep Type: Total/NA
Prep Batch: 10274

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	90		70 - 130

Lab Sample ID: MB 880-10277/1-A
Matrix: Solid
Analysis Batch: 10309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10277

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		10/22/21 16:46	10/23/21 21:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/23/21 21:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/21 16:46	10/23/21 21:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	10/22/21 16:46	10/23/21 21:07	1
o-Terphenyl	126		70 - 130	10/22/21 16:46	10/23/21 21:07	1

Lab Sample ID: LCS 880-10277/2-A
Matrix: Solid
Analysis Batch: 10309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	924.8		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	921.0		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-10277/3-A
Matrix: Solid
Analysis Batch: 10309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10277

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	862.2		mg/Kg		86	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	873.0		mg/Kg		87	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	106		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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

Lab Sample ID: 890-1445-42 MS
Matrix: Solid
Analysis Batch: 10309

Client Sample ID: SW-76 (4)
Prep Type: Total/NA
Prep Batch: 10277

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	1000	<50.0	U F1	mg/Kg		0	70 - 130		
Diesel Range Organics (Over C10-C28)	79.2	F1	1000	79.66	F1	mg/Kg		0.04	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 890-1445-42 MSD
Matrix: Solid
Analysis Batch: 10309

Client Sample ID: SW-76 (4)
Prep Type: Total/NA
Prep Batch: 10277

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	997	<49.9	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	79.2	F1	997	84.08	F1	mg/Kg		0.5	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9899/1-A
Matrix: Solid
Analysis Batch: 10167

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			10/21/21 21:45	1

Lab Sample ID: LCS 880-9899/2-A
Matrix: Solid
Analysis Batch: 10167

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	252.0		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-9899/3-A
Matrix: Solid
Analysis Batch: 10167

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	252.0		mg/Kg		101	90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1445-24 MS
Matrix: Solid
Analysis Batch: 10167

Client Sample ID: BH-62 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	47.8		252	305.5		mg/Kg		102	90 - 110

Lab Sample ID: 890-1445-24 MSD
Matrix: Solid
Analysis Batch: 10167

Client Sample ID: BH-62 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	47.8		252	306.8		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-9894/1-A
Matrix: Solid
Analysis Batch: 10220

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			10/22/21 22:01	1

Lab Sample ID: LCS 880-9894/2-A
Matrix: Solid
Analysis Batch: 10220

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	251.6		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-9894/3-A
Matrix: Solid
Analysis Batch: 10220

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	252.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-1445-9 MS
Matrix: Solid
Analysis Batch: 10220

Client Sample ID: T-2 (3)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	15.7		252	273.1		mg/Kg		102	90 - 110

Lab Sample ID: 890-1445-9 MSD
Matrix: Solid
Analysis Batch: 10220

Client Sample ID: T-2 (3)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	15.7		252	274.5		mg/Kg		103	90 - 110	1	20

Lab Sample ID: MB 880-9968/1-A
Matrix: Solid
Analysis Batch: 10224

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			10/23/21 02:12	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-9968/2-A
Matrix: Solid
Analysis Batch: 10224

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	259.4		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-9968/3-A
Matrix: Solid
Analysis Batch: 10224

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	261.7		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 890-1444-A-15-B MS
Matrix: Solid
Analysis Batch: 10224

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	23.8		250	277.3		mg/Kg		101	90 - 110		

Lab Sample ID: 890-1444-A-15-C MSD
Matrix: Solid
Analysis Batch: 10224

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	23.8		250	279.3		mg/Kg		102	90 - 110	1	20

Lab Sample ID: MB 880-9973/1-A
Matrix: Solid
Analysis Batch: 10325

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			10/24/21 12:50	1

Lab Sample ID: LCS 880-9973/2-A
Matrix: Solid
Analysis Batch: 10325

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	241.9		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-9973/3-A
Matrix: Solid
Analysis Batch: 10325

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	242.8		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-1445-34 MS
Matrix: Solid
Analysis Batch: 10325

Client Sample ID: BH-72 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	332		250	578.4		mg/Kg		99	90 - 110		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1445-34 MSD
Matrix: Solid
Analysis Batch: 10325

Client Sample ID: BH-72 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	332		250	565.9		mg/Kg		94	90 - 110	2	20

Lab Sample ID: 890-1445-44 MS
Matrix: Solid
Analysis Batch: 10325

Client Sample ID: SW-78 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.73		248	247.8		mg/Kg		97	90 - 110

Lab Sample ID: 890-1445-44 MSD
Matrix: Solid
Analysis Batch: 10325

Client Sample ID: SW-78 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.73		248	248.0		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

GC VOA

Prep Batch: 9471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-9471/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 10001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-10001/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 10002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-1	T-1 (0-1)	Total/NA	Solid	5035	
890-1445-2	T-1 (1)	Total/NA	Solid	5035	
890-1445-3	T-1 (2)	Total/NA	Solid	5035	
890-1445-4	T-1 (3)	Total/NA	Solid	5035	
890-1445-5	T-1 (4)	Total/NA	Solid	5035	
MB 880-10002/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10002/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10002/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1445-1 MS	T-1 (0-1)	Total/NA	Solid	5035	
890-1445-1 MSD	T-1 (0-1)	Total/NA	Solid	5035	

Prep Batch: 10004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-21	BH-59 (4)	Total/NA	Solid	5035	
890-1445-22	BH-60 (4)	Total/NA	Solid	5035	
890-1445-23	BH-61 (4)	Total/NA	Solid	5035	
890-1445-24	BH-62 (4)	Total/NA	Solid	5035	
890-1445-25	BH-63 (4)	Total/NA	Solid	5035	
890-1445-26	BH-64 (4)	Total/NA	Solid	5035	
890-1445-27	BH-65 (4)	Total/NA	Solid	5035	
890-1445-28	BH-66 (4)	Total/NA	Solid	5035	
890-1445-29	BH-67 (4)	Total/NA	Solid	5035	
890-1445-30	BH-68 (4)	Total/NA	Solid	5035	
890-1445-31	BH-69 (4)	Total/NA	Solid	5035	
890-1445-32	BH-70 (2)	Total/NA	Solid	5035	
890-1445-33	BH-71 (2)	Total/NA	Solid	5035	
890-1445-34	BH-72 (2)	Total/NA	Solid	5035	
890-1445-35	BH-73 (4)	Total/NA	Solid	5035	
890-1445-36	SW-70 (4)	Total/NA	Solid	5035	
890-1445-37	SW-71 (4)	Total/NA	Solid	5035	
890-1445-38	SW-72 (4)	Total/NA	Solid	5035	
890-1445-39	SW-73 (4)	Total/NA	Solid	5035	
890-1445-40	SW-74 (4)	Total/NA	Solid	5035	
MB 880-10004/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10004/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10004/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1445-21 MS	BH-59 (4)	Total/NA	Solid	5035	
890-1445-21 MSD	BH-59 (4)	Total/NA	Solid	5035	

Prep Batch: 10005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-41	SW-75 (4)	Total/NA	Solid	5035	
890-1445-42	SW-76 (4)	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

GC VOA (Continued)

Prep Batch: 10005 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-43	SW-77 (4)	Total/NA	Solid	5035	
890-1445-44	SW-78 (4)	Total/NA	Solid	5035	
890-1445-45	SW-79 (4)	Total/NA	Solid	5035	
890-1445-46	SW-80 (4)	Total/NA	Solid	5035	
890-1445-47	SW-81 (2)	Total/NA	Solid	5035	
890-1445-48	SW-82 (4)	Total/NA	Solid	5035	
890-1445-49	SW-83 (4)	Total/NA	Solid	5035	
890-1445-50	SW-84 (4)	Total/NA	Solid	5035	
890-1445-51	SW-85 (2)	Total/NA	Solid	5035	
890-1445-52	SW-86 (2)	Total/NA	Solid	5035	
890-1445-53	SW-87 (2)	Total/NA	Solid	5035	
MB 880-10005/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10005/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10005/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1445-41 MS	SW-75 (4)	Total/NA	Solid	5035	
890-1445-41 MSD	SW-75 (4)	Total/NA	Solid	5035	

Analysis Batch: 10194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-21	BH-59 (4)	Total/NA	Solid	8021B	10004
890-1445-22	BH-60 (4)	Total/NA	Solid	8021B	10004
890-1445-23	BH-61 (4)	Total/NA	Solid	8021B	10004
890-1445-24	BH-62 (4)	Total/NA	Solid	8021B	10004
890-1445-25	BH-63 (4)	Total/NA	Solid	8021B	10004
890-1445-26	BH-64 (4)	Total/NA	Solid	8021B	10004
890-1445-27	BH-65 (4)	Total/NA	Solid	8021B	10004
890-1445-28	BH-66 (4)	Total/NA	Solid	8021B	10004
890-1445-29	BH-67 (4)	Total/NA	Solid	8021B	10004
890-1445-30	BH-68 (4)	Total/NA	Solid	8021B	10004
890-1445-31	BH-69 (4)	Total/NA	Solid	8021B	10004
890-1445-32	BH-70 (2)	Total/NA	Solid	8021B	10004
890-1445-33	BH-71 (2)	Total/NA	Solid	8021B	10004
890-1445-34	BH-72 (2)	Total/NA	Solid	8021B	10004
890-1445-35	BH-73 (4)	Total/NA	Solid	8021B	10004
890-1445-36	SW-70 (4)	Total/NA	Solid	8021B	10004
890-1445-37	SW-71 (4)	Total/NA	Solid	8021B	10004
890-1445-38	SW-72 (4)	Total/NA	Solid	8021B	10004
890-1445-39	SW-73 (4)	Total/NA	Solid	8021B	10004
890-1445-40	SW-74 (4)	Total/NA	Solid	8021B	10004
890-1445-41	SW-75 (4)	Total/NA	Solid	8021B	10005
890-1445-42	SW-76 (4)	Total/NA	Solid	8021B	10005
890-1445-43	SW-77 (4)	Total/NA	Solid	8021B	10005
890-1445-44	SW-78 (4)	Total/NA	Solid	8021B	10005
890-1445-45	SW-79 (4)	Total/NA	Solid	8021B	10005
890-1445-46	SW-80 (4)	Total/NA	Solid	8021B	10005
890-1445-47	SW-81 (2)	Total/NA	Solid	8021B	10005
890-1445-48	SW-82 (4)	Total/NA	Solid	8021B	10005
890-1445-49	SW-83 (4)	Total/NA	Solid	8021B	10005
890-1445-50	SW-84 (4)	Total/NA	Solid	8021B	10005
890-1445-51	SW-85 (2)	Total/NA	Solid	8021B	10005
890-1445-52	SW-86 (2)	Total/NA	Solid	8021B	10005

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 10194 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-53	SW-87 (2)	Total/NA	Solid	8021B	10005
MB 880-10004/5-A	Method Blank	Total/NA	Solid	8021B	10004
MB 880-10005/5-A	Method Blank	Total/NA	Solid	8021B	10005
MB 880-9471/5-A	Method Blank	Total/NA	Solid	8021B	9471
LCS 880-10004/1-A	Lab Control Sample	Total/NA	Solid	8021B	10004
LCS 880-10005/1-A	Lab Control Sample	Total/NA	Solid	8021B	10005
LCSD 880-10004/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10004
LCSD 880-10005/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10005
890-1445-21 MS	BH-59 (4)	Total/NA	Solid	8021B	10004
890-1445-21 MSD	BH-59 (4)	Total/NA	Solid	8021B	10004
890-1445-41 MS	SW-75 (4)	Total/NA	Solid	8021B	10005
890-1445-41 MSD	SW-75 (4)	Total/NA	Solid	8021B	10005

Analysis Batch: 10197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-1	T-1 (0-1)	Total/NA	Solid	8021B	10002
890-1445-2	T-1 (1)	Total/NA	Solid	8021B	10002
890-1445-3	T-1 (2)	Total/NA	Solid	8021B	10002
890-1445-4	T-1 (3)	Total/NA	Solid	8021B	10002
890-1445-5	T-1 (4)	Total/NA	Solid	8021B	10002
MB 880-10001/5-A	Method Blank	Total/NA	Solid	8021B	10001
MB 880-10002/5-A	Method Blank	Total/NA	Solid	8021B	10002
LCS 880-10002/1-A	Lab Control Sample	Total/NA	Solid	8021B	10002
LCSD 880-10002/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10002
890-1445-1 MS	T-1 (0-1)	Total/NA	Solid	8021B	10002
890-1445-1 MSD	T-1 (0-1)	Total/NA	Solid	8021B	10002

Analysis Batch: 10342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-6	T-2 (0-1)	Total/NA	Solid	8021B	10343
890-1445-7	T-2 (1)	Total/NA	Solid	8021B	10343
890-1445-8	T-2 (2)	Total/NA	Solid	8021B	10343
890-1445-9	T-2 (3)	Total/NA	Solid	8021B	10343
890-1445-10	T-2 (4)	Total/NA	Solid	8021B	10343
890-1445-11	T-3 (0-1)	Total/NA	Solid	8021B	10343
890-1445-12	T-3 (1)	Total/NA	Solid	8021B	10343
890-1445-13	T-3 (2)	Total/NA	Solid	8021B	10343
890-1445-14	T-3 (3)	Total/NA	Solid	8021B	10343
890-1445-15	T-3 (4)	Total/NA	Solid	8021B	10343
890-1445-16	T-4 (0-1)	Total/NA	Solid	8021B	10343
890-1445-17	T-4 (1)	Total/NA	Solid	8021B	10343
890-1445-18	T-4 (2)	Total/NA	Solid	8021B	10343
890-1445-19	T-4 (3)	Total/NA	Solid	8021B	10343
890-1445-20	T-4 (4)	Total/NA	Solid	8021B	10343
MB 880-10343/5-A	Method Blank	Total/NA	Solid	8021B	10343
LCS 880-10343/1-A	Lab Control Sample	Total/NA	Solid	8021B	10343
LCSD 880-10343/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10343
890-1445-6 MS	T-2 (0-1)	Total/NA	Solid	8021B	10343
890-1445-6 MSD	T-2 (0-1)	Total/NA	Solid	8021B	10343

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

GC VOA

Prep Batch: 10343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-6	T-2 (0-1)	Total/NA	Solid	5035	
890-1445-7	T-2 (1)	Total/NA	Solid	5035	
890-1445-8	T-2 (2)	Total/NA	Solid	5035	
890-1445-9	T-2 (3)	Total/NA	Solid	5035	
890-1445-10	T-2 (4)	Total/NA	Solid	5035	
890-1445-11	T-3 (0-1)	Total/NA	Solid	5035	
890-1445-12	T-3 (1)	Total/NA	Solid	5035	
890-1445-13	T-3 (2)	Total/NA	Solid	5035	
890-1445-14	T-3 (3)	Total/NA	Solid	5035	
890-1445-15	T-3 (4)	Total/NA	Solid	5035	
890-1445-16	T-4 (0-1)	Total/NA	Solid	5035	
890-1445-17	T-4 (1)	Total/NA	Solid	5035	
890-1445-18	T-4 (2)	Total/NA	Solid	5035	
890-1445-19	T-4 (3)	Total/NA	Solid	5035	
890-1445-20	T-4 (4)	Total/NA	Solid	5035	
MB 880-10343/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10343/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10343/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1445-6 MS	T-2 (0-1)	Total/NA	Solid	5035	
890-1445-6 MSD	T-2 (0-1)	Total/NA	Solid	5035	

Analysis Batch: 10526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-1	T-1 (0-1)	Total/NA	Solid	Total BTEX	
890-1445-2	T-1 (1)	Total/NA	Solid	Total BTEX	
890-1445-3	T-1 (2)	Total/NA	Solid	Total BTEX	
890-1445-4	T-1 (3)	Total/NA	Solid	Total BTEX	
890-1445-5	T-1 (4)	Total/NA	Solid	Total BTEX	
890-1445-6	T-2 (0-1)	Total/NA	Solid	Total BTEX	
890-1445-7	T-2 (1)	Total/NA	Solid	Total BTEX	
890-1445-8	T-2 (2)	Total/NA	Solid	Total BTEX	
890-1445-9	T-2 (3)	Total/NA	Solid	Total BTEX	
890-1445-10	T-2 (4)	Total/NA	Solid	Total BTEX	
890-1445-11	T-3 (0-1)	Total/NA	Solid	Total BTEX	
890-1445-12	T-3 (1)	Total/NA	Solid	Total BTEX	
890-1445-13	T-3 (2)	Total/NA	Solid	Total BTEX	
890-1445-14	T-3 (3)	Total/NA	Solid	Total BTEX	
890-1445-15	T-3 (4)	Total/NA	Solid	Total BTEX	
890-1445-16	T-4 (0-1)	Total/NA	Solid	Total BTEX	
890-1445-17	T-4 (1)	Total/NA	Solid	Total BTEX	
890-1445-18	T-4 (2)	Total/NA	Solid	Total BTEX	
890-1445-19	T-4 (3)	Total/NA	Solid	Total BTEX	
890-1445-20	T-4 (4)	Total/NA	Solid	Total BTEX	
890-1445-21	BH-59 (4)	Total/NA	Solid	Total BTEX	
890-1445-22	BH-60 (4)	Total/NA	Solid	Total BTEX	
890-1445-23	BH-61 (4)	Total/NA	Solid	Total BTEX	
890-1445-24	BH-62 (4)	Total/NA	Solid	Total BTEX	
890-1445-25	BH-63 (4)	Total/NA	Solid	Total BTEX	
890-1445-26	BH-64 (4)	Total/NA	Solid	Total BTEX	
890-1445-27	BH-65 (4)	Total/NA	Solid	Total BTEX	
890-1445-28	BH-66 (4)	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 10526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-29	BH-67 (4)	Total/NA	Solid	Total BTEX	
890-1445-30	BH-68 (4)	Total/NA	Solid	Total BTEX	
890-1445-31	BH-69 (4)	Total/NA	Solid	Total BTEX	
890-1445-32	BH-70 (2)	Total/NA	Solid	Total BTEX	
890-1445-33	BH-71 (2)	Total/NA	Solid	Total BTEX	
890-1445-34	BH-72 (2)	Total/NA	Solid	Total BTEX	
890-1445-35	BH-73 (4)	Total/NA	Solid	Total BTEX	
890-1445-36	SW-70 (4)	Total/NA	Solid	Total BTEX	
890-1445-37	SW-71 (4)	Total/NA	Solid	Total BTEX	
890-1445-38	SW-72 (4)	Total/NA	Solid	Total BTEX	
890-1445-39	SW-73 (4)	Total/NA	Solid	Total BTEX	
890-1445-40	SW-74 (4)	Total/NA	Solid	Total BTEX	
890-1445-41	SW-75 (4)	Total/NA	Solid	Total BTEX	
890-1445-42	SW-76 (4)	Total/NA	Solid	Total BTEX	
890-1445-43	SW-77 (4)	Total/NA	Solid	Total BTEX	
890-1445-44	SW-78 (4)	Total/NA	Solid	Total BTEX	
890-1445-45	SW-79 (4)	Total/NA	Solid	Total BTEX	
890-1445-46	SW-80 (4)	Total/NA	Solid	Total BTEX	
890-1445-47	SW-81 (2)	Total/NA	Solid	Total BTEX	
890-1445-48	SW-82 (4)	Total/NA	Solid	Total BTEX	
890-1445-49	SW-83 (4)	Total/NA	Solid	Total BTEX	
890-1445-50	SW-84 (4)	Total/NA	Solid	Total BTEX	
890-1445-51	SW-85 (2)	Total/NA	Solid	Total BTEX	
890-1445-52	SW-86 (2)	Total/NA	Solid	Total BTEX	
890-1445-53	SW-87 (2)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 10051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-1	T-1 (0-1)	Total/NA	Solid	8015B NM	10135
890-1445-2	T-1 (1)	Total/NA	Solid	8015B NM	10135
890-1445-3	T-1 (2)	Total/NA	Solid	8015B NM	10135
890-1445-4	T-1 (3)	Total/NA	Solid	8015B NM	10135
890-1445-5	T-1 (4)	Total/NA	Solid	8015B NM	10135
890-1445-6	T-2 (0-1)	Total/NA	Solid	8015B NM	10135
890-1445-7	T-2 (1)	Total/NA	Solid	8015B NM	10135
890-1445-8	T-2 (2)	Total/NA	Solid	8015B NM	10135
890-1445-9	T-2 (3)	Total/NA	Solid	8015B NM	10135
890-1445-10	T-2 (4)	Total/NA	Solid	8015B NM	10135
890-1445-11	T-3 (0-1)	Total/NA	Solid	8015B NM	10135
890-1445-12	T-3 (1)	Total/NA	Solid	8015B NM	10135
890-1445-13	T-3 (2)	Total/NA	Solid	8015B NM	10135
890-1445-14	T-3 (3)	Total/NA	Solid	8015B NM	10135
890-1445-15	T-3 (4)	Total/NA	Solid	8015B NM	10135
890-1445-16	T-4 (0-1)	Total/NA	Solid	8015B NM	10135
890-1445-17	T-4 (1)	Total/NA	Solid	8015B NM	10135
890-1445-18	T-4 (2)	Total/NA	Solid	8015B NM	10135
890-1445-19	T-4 (3)	Total/NA	Solid	8015B NM	10135
890-1445-20	T-4 (4)	Total/NA	Solid	8015B NM	10135
MB 880-10135/1-A	Method Blank	Total/NA	Solid	8015B NM	10135

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 10051 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-10135/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10135
LCSD 880-10135/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10135
890-1445-1 MS	T-1 (0-1)	Total/NA	Solid	8015B NM	10135
890-1445-1 MSD	T-1 (0-1)	Total/NA	Solid	8015B NM	10135

Prep Batch: 10135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-1	T-1 (0-1)	Total/NA	Solid	8015NM Prep	
890-1445-2	T-1 (1)	Total/NA	Solid	8015NM Prep	
890-1445-3	T-1 (2)	Total/NA	Solid	8015NM Prep	
890-1445-4	T-1 (3)	Total/NA	Solid	8015NM Prep	
890-1445-5	T-1 (4)	Total/NA	Solid	8015NM Prep	
890-1445-6	T-2 (0-1)	Total/NA	Solid	8015NM Prep	
890-1445-7	T-2 (1)	Total/NA	Solid	8015NM Prep	
890-1445-8	T-2 (2)	Total/NA	Solid	8015NM Prep	
890-1445-9	T-2 (3)	Total/NA	Solid	8015NM Prep	
890-1445-10	T-2 (4)	Total/NA	Solid	8015NM Prep	
890-1445-11	T-3 (0-1)	Total/NA	Solid	8015NM Prep	
890-1445-12	T-3 (1)	Total/NA	Solid	8015NM Prep	
890-1445-13	T-3 (2)	Total/NA	Solid	8015NM Prep	
890-1445-14	T-3 (3)	Total/NA	Solid	8015NM Prep	
890-1445-15	T-3 (4)	Total/NA	Solid	8015NM Prep	
890-1445-16	T-4 (0-1)	Total/NA	Solid	8015NM Prep	
890-1445-17	T-4 (1)	Total/NA	Solid	8015NM Prep	
890-1445-18	T-4 (2)	Total/NA	Solid	8015NM Prep	
890-1445-19	T-4 (3)	Total/NA	Solid	8015NM Prep	
890-1445-20	T-4 (4)	Total/NA	Solid	8015NM Prep	
MB 880-10135/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10135/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10135/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1445-1 MS	T-1 (0-1)	Total/NA	Solid	8015NM Prep	
890-1445-1 MSD	T-1 (0-1)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 10196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-1	T-1 (0-1)	Total/NA	Solid	8015 NM	
890-1445-2	T-1 (1)	Total/NA	Solid	8015 NM	
890-1445-3	T-1 (2)	Total/NA	Solid	8015 NM	
890-1445-4	T-1 (3)	Total/NA	Solid	8015 NM	
890-1445-5	T-1 (4)	Total/NA	Solid	8015 NM	
890-1445-6	T-2 (0-1)	Total/NA	Solid	8015 NM	
890-1445-7	T-2 (1)	Total/NA	Solid	8015 NM	
890-1445-8	T-2 (2)	Total/NA	Solid	8015 NM	
890-1445-9	T-2 (3)	Total/NA	Solid	8015 NM	
890-1445-10	T-2 (4)	Total/NA	Solid	8015 NM	
890-1445-11	T-3 (0-1)	Total/NA	Solid	8015 NM	
890-1445-12	T-3 (1)	Total/NA	Solid	8015 NM	
890-1445-13	T-3 (2)	Total/NA	Solid	8015 NM	
890-1445-14	T-3 (3)	Total/NA	Solid	8015 NM	
890-1445-15	T-3 (4)	Total/NA	Solid	8015 NM	
890-1445-16	T-4 (0-1)	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 10196 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-17	T-4 (1)	Total/NA	Solid	8015 NM	
890-1445-18	T-4 (2)	Total/NA	Solid	8015 NM	
890-1445-19	T-4 (3)	Total/NA	Solid	8015 NM	
890-1445-20	T-4 (4)	Total/NA	Solid	8015 NM	
890-1445-21	BH-59 (4)	Total/NA	Solid	8015 NM	
890-1445-22	BH-60 (4)	Total/NA	Solid	8015 NM	
890-1445-23	BH-61 (4)	Total/NA	Solid	8015 NM	
890-1445-24	BH-62 (4)	Total/NA	Solid	8015 NM	
890-1445-25	BH-63 (4)	Total/NA	Solid	8015 NM	
890-1445-26	BH-64 (4)	Total/NA	Solid	8015 NM	
890-1445-27	BH-65 (4)	Total/NA	Solid	8015 NM	
890-1445-28	BH-66 (4)	Total/NA	Solid	8015 NM	
890-1445-29	BH-67 (4)	Total/NA	Solid	8015 NM	
890-1445-30	BH-68 (4)	Total/NA	Solid	8015 NM	
890-1445-31	BH-69 (4)	Total/NA	Solid	8015 NM	
890-1445-32	BH-70 (2)	Total/NA	Solid	8015 NM	
890-1445-33	BH-71 (2)	Total/NA	Solid	8015 NM	
890-1445-34	BH-72 (2)	Total/NA	Solid	8015 NM	
890-1445-35	BH-73 (4)	Total/NA	Solid	8015 NM	
890-1445-36	SW-70 (4)	Total/NA	Solid	8015 NM	
890-1445-37	SW-71 (4)	Total/NA	Solid	8015 NM	
890-1445-38	SW-72 (4)	Total/NA	Solid	8015 NM	
890-1445-39	SW-73 (4)	Total/NA	Solid	8015 NM	
890-1445-40	SW-74 (4)	Total/NA	Solid	8015 NM	
890-1445-41	SW-75 (4)	Total/NA	Solid	8015 NM	
890-1445-42	SW-76 (4)	Total/NA	Solid	8015 NM	
890-1445-43	SW-77 (4)	Total/NA	Solid	8015 NM	
890-1445-44	SW-78 (4)	Total/NA	Solid	8015 NM	
890-1445-45	SW-79 (4)	Total/NA	Solid	8015 NM	
890-1445-46	SW-80 (4)	Total/NA	Solid	8015 NM	
890-1445-47	SW-81 (2)	Total/NA	Solid	8015 NM	
890-1445-48	SW-82 (4)	Total/NA	Solid	8015 NM	
890-1445-49	SW-83 (4)	Total/NA	Solid	8015 NM	
890-1445-50	SW-84 (4)	Total/NA	Solid	8015 NM	
890-1445-51	SW-85 (2)	Total/NA	Solid	8015 NM	
890-1445-52	SW-86 (2)	Total/NA	Solid	8015 NM	
890-1445-53	SW-87 (2)	Total/NA	Solid	8015 NM	

Prep Batch: 10271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-21	BH-59 (4)	Total/NA	Solid	8015NM Prep	
MB 880-10271/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10271/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1456-A-5-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1456-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 10274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-22	BH-60 (4)	Total/NA	Solid	8015NM Prep	
890-1445-23	BH-61 (4)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

GC Semi VOA (Continued)

Prep Batch: 10274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-24	BH-62 (4)	Total/NA	Solid	8015NM Prep	
890-1445-25	BH-63 (4)	Total/NA	Solid	8015NM Prep	
890-1445-26	BH-64 (4)	Total/NA	Solid	8015NM Prep	
890-1445-27	BH-65 (4)	Total/NA	Solid	8015NM Prep	
890-1445-28	BH-66 (4)	Total/NA	Solid	8015NM Prep	
890-1445-29	BH-67 (4)	Total/NA	Solid	8015NM Prep	
890-1445-30	BH-68 (4)	Total/NA	Solid	8015NM Prep	
890-1445-31	BH-69 (4)	Total/NA	Solid	8015NM Prep	
890-1445-32	BH-70 (2)	Total/NA	Solid	8015NM Prep	
890-1445-33	BH-71 (2)	Total/NA	Solid	8015NM Prep	
890-1445-34	BH-72 (2)	Total/NA	Solid	8015NM Prep	
890-1445-35	BH-73 (4)	Total/NA	Solid	8015NM Prep	
890-1445-36	SW-70 (4)	Total/NA	Solid	8015NM Prep	
890-1445-37	SW-71 (4)	Total/NA	Solid	8015NM Prep	
890-1445-38	SW-72 (4)	Total/NA	Solid	8015NM Prep	
890-1445-39	SW-73 (4)	Total/NA	Solid	8015NM Prep	
890-1445-40	SW-74 (4)	Total/NA	Solid	8015NM Prep	
890-1445-41	SW-75 (4)	Total/NA	Solid	8015NM Prep	
MB 880-10274/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10274/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10274/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1445-22 MS	BH-60 (4)	Total/NA	Solid	8015NM Prep	
890-1445-22 MSD	BH-60 (4)	Total/NA	Solid	8015NM Prep	

Prep Batch: 10277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-42	SW-76 (4)	Total/NA	Solid	8015NM Prep	
890-1445-43	SW-77 (4)	Total/NA	Solid	8015NM Prep	
890-1445-44	SW-78 (4)	Total/NA	Solid	8015NM Prep	
890-1445-45	SW-79 (4)	Total/NA	Solid	8015NM Prep	
890-1445-46	SW-80 (4)	Total/NA	Solid	8015NM Prep	
890-1445-47	SW-81 (2)	Total/NA	Solid	8015NM Prep	
890-1445-48	SW-82 (4)	Total/NA	Solid	8015NM Prep	
890-1445-49	SW-83 (4)	Total/NA	Solid	8015NM Prep	
890-1445-50	SW-84 (4)	Total/NA	Solid	8015NM Prep	
890-1445-51	SW-85 (2)	Total/NA	Solid	8015NM Prep	
890-1445-52	SW-86 (2)	Total/NA	Solid	8015NM Prep	
890-1445-53	SW-87 (2)	Total/NA	Solid	8015NM Prep	
MB 880-10277/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10277/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1445-42 MS	SW-76 (4)	Total/NA	Solid	8015NM Prep	
890-1445-42 MSD	SW-76 (4)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 10309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-42	SW-76 (4)	Total/NA	Solid	8015B NM	10277
890-1445-43	SW-77 (4)	Total/NA	Solid	8015B NM	10277
890-1445-44	SW-78 (4)	Total/NA	Solid	8015B NM	10277
890-1445-45	SW-79 (4)	Total/NA	Solid	8015B NM	10277
890-1445-46	SW-80 (4)	Total/NA	Solid	8015B NM	10277

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 10309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-47	SW-81 (2)	Total/NA	Solid	8015B NM	10277
890-1445-48	SW-82 (4)	Total/NA	Solid	8015B NM	10277
890-1445-49	SW-83 (4)	Total/NA	Solid	8015B NM	10277
890-1445-50	SW-84 (4)	Total/NA	Solid	8015B NM	10277
890-1445-51	SW-85 (2)	Total/NA	Solid	8015B NM	10277
890-1445-52	SW-86 (2)	Total/NA	Solid	8015B NM	10277
890-1445-53	SW-87 (2)	Total/NA	Solid	8015B NM	10277
MB 880-10277/1-A	Method Blank	Total/NA	Solid	8015B NM	10277
LCS 880-10277/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10277
LCSD 880-10277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10277
890-1445-42 MS	SW-76 (4)	Total/NA	Solid	8015B NM	10277
890-1445-42 MSD	SW-76 (4)	Total/NA	Solid	8015B NM	10277

Analysis Batch: 10313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-21	BH-59 (4)	Total/NA	Solid	8015B NM	10271
890-1445-22	BH-60 (4)	Total/NA	Solid	8015B NM	10274
890-1445-23	BH-61 (4)	Total/NA	Solid	8015B NM	10274
890-1445-24	BH-62 (4)	Total/NA	Solid	8015B NM	10274
890-1445-25	BH-63 (4)	Total/NA	Solid	8015B NM	10274
890-1445-26	BH-64 (4)	Total/NA	Solid	8015B NM	10274
890-1445-27	BH-65 (4)	Total/NA	Solid	8015B NM	10274
890-1445-28	BH-66 (4)	Total/NA	Solid	8015B NM	10274
890-1445-29	BH-67 (4)	Total/NA	Solid	8015B NM	10274
890-1445-30	BH-68 (4)	Total/NA	Solid	8015B NM	10274
890-1445-31	BH-69 (4)	Total/NA	Solid	8015B NM	10274
890-1445-32	BH-70 (2)	Total/NA	Solid	8015B NM	10274
890-1445-33	BH-71 (2)	Total/NA	Solid	8015B NM	10274
890-1445-34	BH-72 (2)	Total/NA	Solid	8015B NM	10274
890-1445-35	BH-73 (4)	Total/NA	Solid	8015B NM	10274
890-1445-36	SW-70 (4)	Total/NA	Solid	8015B NM	10274
890-1445-37	SW-71 (4)	Total/NA	Solid	8015B NM	10274
890-1445-38	SW-72 (4)	Total/NA	Solid	8015B NM	10274
890-1445-39	SW-73 (4)	Total/NA	Solid	8015B NM	10274
890-1445-40	SW-74 (4)	Total/NA	Solid	8015B NM	10274
890-1445-41	SW-75 (4)	Total/NA	Solid	8015B NM	10274
MB 880-10271/1-A	Method Blank	Total/NA	Solid	8015B NM	10271
MB 880-10274/1-A	Method Blank	Total/NA	Solid	8015B NM	10274
LCS 880-10271/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10271
LCS 880-10274/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10274
LCSD 880-10271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10271
LCSD 880-10274/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10274
890-1445-22 MS	BH-60 (4)	Total/NA	Solid	8015B NM	10274
890-1445-22 MSD	BH-60 (4)	Total/NA	Solid	8015B NM	10274
890-1456-A-5-D MS	Matrix Spike	Total/NA	Solid	8015B NM	10271
890-1456-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	10271

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

HPLC/IC

Leach Batch: 9894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-5	T-1 (4)	Soluble	Solid	DI Leach	
890-1445-6	T-2 (0-1)	Soluble	Solid	DI Leach	
890-1445-7	T-2 (1)	Soluble	Solid	DI Leach	
890-1445-8	T-2 (2)	Soluble	Solid	DI Leach	
890-1445-9	T-2 (3)	Soluble	Solid	DI Leach	
890-1445-10	T-2 (4)	Soluble	Solid	DI Leach	
890-1445-11	T-3 (0-1)	Soluble	Solid	DI Leach	
890-1445-12	T-3 (1)	Soluble	Solid	DI Leach	
890-1445-13	T-3 (2)	Soluble	Solid	DI Leach	
890-1445-14	T-3 (3)	Soluble	Solid	DI Leach	
890-1445-15	T-3 (4)	Soluble	Solid	DI Leach	
890-1445-16	T-4 (0-1)	Soluble	Solid	DI Leach	
890-1445-17	T-4 (1)	Soluble	Solid	DI Leach	
890-1445-18	T-4 (2)	Soluble	Solid	DI Leach	
MB 880-9894/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9894/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9894/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1445-9 MS	T-2 (3)	Soluble	Solid	DI Leach	
890-1445-9 MSD	T-2 (3)	Soluble	Solid	DI Leach	

Leach Batch: 9899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-19	T-4 (3)	Soluble	Solid	DI Leach	
890-1445-20	T-4 (4)	Soluble	Solid	DI Leach	
890-1445-21	BH-59 (4)	Soluble	Solid	DI Leach	
890-1445-22	BH-60 (4)	Soluble	Solid	DI Leach	
890-1445-23	BH-61 (4)	Soluble	Solid	DI Leach	
890-1445-24	BH-62 (4)	Soluble	Solid	DI Leach	
890-1445-25	BH-63 (4)	Soluble	Solid	DI Leach	
890-1445-26	BH-64 (4)	Soluble	Solid	DI Leach	
890-1445-27	BH-65 (4)	Soluble	Solid	DI Leach	
890-1445-28	BH-66 (4)	Soluble	Solid	DI Leach	
890-1445-29	BH-67 (4)	Soluble	Solid	DI Leach	
890-1445-30	BH-68 (4)	Soluble	Solid	DI Leach	
890-1445-31	BH-69 (4)	Soluble	Solid	DI Leach	
890-1445-32	BH-70 (2)	Soluble	Solid	DI Leach	
890-1445-33	BH-71 (2)	Soluble	Solid	DI Leach	
MB 880-9899/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9899/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9899/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1445-24 MS	BH-62 (4)	Soluble	Solid	DI Leach	
890-1445-24 MSD	BH-62 (4)	Soluble	Solid	DI Leach	

Leach Batch: 9968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-1	T-1 (0-1)	Soluble	Solid	DI Leach	
890-1445-2	T-1 (1)	Soluble	Solid	DI Leach	
890-1445-3	T-1 (2)	Soluble	Solid	DI Leach	
890-1445-4	T-1 (3)	Soluble	Solid	DI Leach	
MB 880-9968/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9968/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 9968 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-9968/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1444-A-15-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1444-A-15-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 9973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-34	BH-72 (2)	Soluble	Solid	DI Leach	
890-1445-35	BH-73 (4)	Soluble	Solid	DI Leach	
890-1445-36	SW-70 (4)	Soluble	Solid	DI Leach	
890-1445-37	SW-71 (4)	Soluble	Solid	DI Leach	
890-1445-38	SW-72 (4)	Soluble	Solid	DI Leach	
890-1445-39	SW-73 (4)	Soluble	Solid	DI Leach	
890-1445-40	SW-74 (4)	Soluble	Solid	DI Leach	
890-1445-41	SW-75 (4)	Soluble	Solid	DI Leach	
890-1445-42	SW-76 (4)	Soluble	Solid	DI Leach	
890-1445-43	SW-77 (4)	Soluble	Solid	DI Leach	
890-1445-44	SW-78 (4)	Soluble	Solid	DI Leach	
890-1445-45	SW-79 (4)	Soluble	Solid	DI Leach	
890-1445-46	SW-80 (4)	Soluble	Solid	DI Leach	
890-1445-47	SW-81 (2)	Soluble	Solid	DI Leach	
890-1445-48	SW-82 (4)	Soluble	Solid	DI Leach	
890-1445-49	SW-83 (4)	Soluble	Solid	DI Leach	
890-1445-50	SW-84 (4)	Soluble	Solid	DI Leach	
890-1445-51	SW-85 (2)	Soluble	Solid	DI Leach	
890-1445-52	SW-86 (2)	Soluble	Solid	DI Leach	
890-1445-53	SW-87 (2)	Soluble	Solid	DI Leach	
MB 880-9973/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9973/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9973/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1445-34 MS	BH-72 (2)	Soluble	Solid	DI Leach	
890-1445-34 MSD	BH-72 (2)	Soluble	Solid	DI Leach	
890-1445-44 MS	SW-78 (4)	Soluble	Solid	DI Leach	
890-1445-44 MSD	SW-78 (4)	Soluble	Solid	DI Leach	

Analysis Batch: 10167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-19	T-4 (3)	Soluble	Solid	300.0	9899
890-1445-20	T-4 (4)	Soluble	Solid	300.0	9899
890-1445-21	BH-59 (4)	Soluble	Solid	300.0	9899
890-1445-22	BH-60 (4)	Soluble	Solid	300.0	9899
890-1445-23	BH-61 (4)	Soluble	Solid	300.0	9899
890-1445-24	BH-62 (4)	Soluble	Solid	300.0	9899
890-1445-25	BH-63 (4)	Soluble	Solid	300.0	9899
890-1445-26	BH-64 (4)	Soluble	Solid	300.0	9899
890-1445-27	BH-65 (4)	Soluble	Solid	300.0	9899
890-1445-28	BH-66 (4)	Soluble	Solid	300.0	9899
890-1445-29	BH-67 (4)	Soluble	Solid	300.0	9899
890-1445-30	BH-68 (4)	Soluble	Solid	300.0	9899
890-1445-31	BH-69 (4)	Soluble	Solid	300.0	9899
890-1445-32	BH-70 (2)	Soluble	Solid	300.0	9899
890-1445-33	BH-71 (2)	Soluble	Solid	300.0	9899

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

HPLC/IC (Continued)

Analysis Batch: 10167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-9899/1-A	Method Blank	Soluble	Solid	300.0	9899
LCS 880-9899/2-A	Lab Control Sample	Soluble	Solid	300.0	9899
LCSD 880-9899/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9899
890-1445-24 MS	BH-62 (4)	Soluble	Solid	300.0	9899
890-1445-24 MSD	BH-62 (4)	Soluble	Solid	300.0	9899

Analysis Batch: 10220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-5	T-1 (4)	Soluble	Solid	300.0	9894
890-1445-6	T-2 (0-1)	Soluble	Solid	300.0	9894
890-1445-7	T-2 (1)	Soluble	Solid	300.0	9894
890-1445-8	T-2 (2)	Soluble	Solid	300.0	9894
890-1445-9	T-2 (3)	Soluble	Solid	300.0	9894
890-1445-10	T-2 (4)	Soluble	Solid	300.0	9894
890-1445-11	T-3 (0-1)	Soluble	Solid	300.0	9894
890-1445-12	T-3 (1)	Soluble	Solid	300.0	9894
890-1445-13	T-3 (2)	Soluble	Solid	300.0	9894
890-1445-14	T-3 (3)	Soluble	Solid	300.0	9894
890-1445-15	T-3 (4)	Soluble	Solid	300.0	9894
890-1445-16	T-4 (0-1)	Soluble	Solid	300.0	9894
890-1445-17	T-4 (1)	Soluble	Solid	300.0	9894
890-1445-18	T-4 (2)	Soluble	Solid	300.0	9894
MB 880-9894/1-A	Method Blank	Soluble	Solid	300.0	9894
LCS 880-9894/2-A	Lab Control Sample	Soluble	Solid	300.0	9894
LCSD 880-9894/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9894
890-1445-9 MS	T-2 (3)	Soluble	Solid	300.0	9894
890-1445-9 MSD	T-2 (3)	Soluble	Solid	300.0	9894

Analysis Batch: 10224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-1	T-1 (0-1)	Soluble	Solid	300.0	9968
890-1445-2	T-1 (1)	Soluble	Solid	300.0	9968
890-1445-3	T-1 (2)	Soluble	Solid	300.0	9968
890-1445-4	T-1 (3)	Soluble	Solid	300.0	9968
MB 880-9968/1-A	Method Blank	Soluble	Solid	300.0	9968
LCS 880-9968/2-A	Lab Control Sample	Soluble	Solid	300.0	9968
LCSD 880-9968/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9968
890-1444-A-15-B MS	Matrix Spike	Soluble	Solid	300.0	9968
890-1444-A-15-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9968

Analysis Batch: 10325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-34	BH-72 (2)	Soluble	Solid	300.0	9973
890-1445-35	BH-73 (4)	Soluble	Solid	300.0	9973
890-1445-36	SW-70 (4)	Soluble	Solid	300.0	9973
890-1445-37	SW-71 (4)	Soluble	Solid	300.0	9973
890-1445-38	SW-72 (4)	Soluble	Solid	300.0	9973
890-1445-39	SW-73 (4)	Soluble	Solid	300.0	9973
890-1445-40	SW-74 (4)	Soluble	Solid	300.0	9973
890-1445-41	SW-75 (4)	Soluble	Solid	300.0	9973
890-1445-42	SW-76 (4)	Soluble	Solid	300.0	9973

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

HPLC/IC (Continued)

Analysis Batch: 10325 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1445-43	SW-77 (4)	Soluble	Solid	300.0	9973
890-1445-44	SW-78 (4)	Soluble	Solid	300.0	9973
890-1445-45	SW-79 (4)	Soluble	Solid	300.0	9973
890-1445-46	SW-80 (4)	Soluble	Solid	300.0	9973
890-1445-47	SW-81 (2)	Soluble	Solid	300.0	9973
890-1445-48	SW-82 (4)	Soluble	Solid	300.0	9973
890-1445-49	SW-83 (4)	Soluble	Solid	300.0	9973
890-1445-50	SW-84 (4)	Soluble	Solid	300.0	9973
890-1445-51	SW-85 (2)	Soluble	Solid	300.0	9973
890-1445-52	SW-86 (2)	Soluble	Solid	300.0	9973
890-1445-53	SW-87 (2)	Soluble	Solid	300.0	9973
MB 880-9973/1-A	Method Blank	Soluble	Solid	300.0	9973
LCS 880-9973/2-A	Lab Control Sample	Soluble	Solid	300.0	9973
LCSD 880-9973/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9973
890-1445-34 MS	BH-72 (2)	Soluble	Solid	300.0	9973
890-1445-34 MSD	BH-72 (2)	Soluble	Solid	300.0	9973
890-1445-44 MS	SW-78 (4)	Soluble	Solid	300.0	9973
890-1445-44 MSD	SW-78 (4)	Soluble	Solid	300.0	9973

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-1 (0-1)

Lab Sample ID: 890-1445-1
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	10002	10/20/21 13:56	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/23/21 11:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/21/21 21:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 05:26	CH	XEN MID

Client Sample ID: T-1 (1)

Lab Sample ID: 890-1445-2
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10002	10/20/21 13:56	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/23/21 12:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/21/21 22:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 05:33	CH	XEN MID

Client Sample ID: T-1 (2)

Lab Sample ID: 890-1445-3
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10002	10/20/21 13:56	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/23/21 12:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/21/21 23:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 05:40	CH	XEN MID

Client Sample ID: T-1 (3)

Lab Sample ID: 890-1445-4
Matrix: Solid
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10002	10/20/21 13:56	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/23/21 13:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-1 (3)
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/21/21 23:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9968	10/20/21 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			10224	10/23/21 05:47	CH	XEN MID

Client Sample ID: T-1 (4)
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10002	10/20/21 13:56	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10197	10/23/21 13:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/21/21 23:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1			10220	10/22/21 23:34	CH	XEN MID

Client Sample ID: T-2 (0-1)
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 17:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 00:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1			10220	10/22/21 23:41	CH	XEN MID

Client Sample ID: T-2 (1)
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 18:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 00:30	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-2 (1)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1			10220	10/22/21 23:48	CH	XEN MID

Client Sample ID: T-2 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 18:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 06:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1			10220	10/22/21 23:56	CH	XEN MID

Client Sample ID: T-2 (3)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 18:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 07:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1			10220	10/23/21 00:03	CH	XEN MID

Client Sample ID: T-2 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 19:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 07:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1			10220	10/23/21 00:24	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-3 (0-1)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 19:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 08:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1			10220	10/23/21 00:32	CH	XEN MID

Client Sample ID: T-3 (1)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 19:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 08:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1			10220	10/23/21 00:53	CH	XEN MID

Client Sample ID: T-3 (2)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 20:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 08:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1			10220	10/23/21 01:00	CH	XEN MID

Client Sample ID: T-3 (3)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 20:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-3 (3)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 09:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	10220	10/23/21 01:07	CH	XEN MID

Client Sample ID: T-3 (4)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 20:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 09:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	10220	10/23/21 01:15	CH	XEN MID

Client Sample ID: T-4 (0-1)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 22:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 10:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	10220	10/23/21 01:22	CH	XEN MID

Client Sample ID: T-4 (1)

Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 22:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 10:22	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: T-4 (1)
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	10220	10/23/21 01:29	CH	XEN MID

Client Sample ID: T-4 (2)
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 23:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 10:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9894	10/19/21 13:14	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	10220	10/23/21 01:36	CH	XEN MID

Client Sample ID: T-4 (3)
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 23:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 11:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/21/21 22:56	CH	XEN MID

Client Sample ID: T-4 (4)
Date Collected: 10/13/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	10343	10/24/21 14:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10342	10/24/21 23:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 17:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10135	10/21/21 14:33	AM	XEN MID
Total/NA	Analysis	8015B NM		1			10051	10/22/21 11:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/21/21 23:02	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-59 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 00:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10271	10/22/21 16:32	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/24/21 05:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/21/21 23:08	CH	XEN MID

Client Sample ID: BH-60 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 00:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 12:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/21/21 23:13	CH	XEN MID

Client Sample ID: BH-61 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 01:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 13:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/21/21 23:19	CH	XEN MID

Client Sample ID: BH-62 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 01:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-62 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 13:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/21/21 23:25	CH	XEN MID

Client Sample ID: BH-63 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 02:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 14:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/21/21 23:43	CH	XEN MID

Client Sample ID: BH-64 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 02:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 14:41	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/21/21 23:49	CH	XEN MID

Client Sample ID: BH-65 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 03:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 15:03	AJ	XEN MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-65 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/22/21 00:06	CH	XEN MID

Client Sample ID: BH-66 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 03:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 15:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/22/21 00:12	CH	XEN MID

Client Sample ID: BH-67 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 03:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 15:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/22/21 00:18	CH	XEN MID

Client Sample ID: BH-68 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 04:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 16:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/22/21 00:24	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-69 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 06:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 16:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/22/21 00:30	CH	XEN MID

Client Sample ID: BH-70 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 06:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 17:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/22/21 00:35	CH	XEN MID

Client Sample ID: BH-71 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 06:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 17:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9899	10/19/21 13:41	CH	XEN MID
Soluble	Analysis	300.0		1			10167	10/22/21 00:41	CH	XEN MID

Client Sample ID: BH-72 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 07:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: BH-72 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 17:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 13:11	CH	XEN MID

Client Sample ID: BH-73 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-35

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 07:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 18:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 13:32	CH	XEN MID

Client Sample ID: SW-70 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-36

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 08:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 18:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 13:39	CH	XEN MID

Client Sample ID: SW-71 (4)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 08:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 19:00	AJ	XEN MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-71 (4)

Lab Sample ID: 890-1445-37
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 13:46	CH	XEN MID

Client Sample ID: SW-72 (4)

Lab Sample ID: 890-1445-38
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 09:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 19:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 13:53	CH	XEN MID

Client Sample ID: SW-73 (4)

Lab Sample ID: 890-1445-39
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 09:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 19:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 14:13	CH	XEN MID

Client Sample ID: SW-74 (4)

Lab Sample ID: 890-1445-40
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	10004	10/20/21 13:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 10:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 20:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 14:20	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-75 (4)

Lab Sample ID: 890-1445-41

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 14:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	10274	10/22/21 16:36	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10313	10/23/21 20:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 14:27	CH	XEN MID

Client Sample ID: SW-76 (4)

Lab Sample ID: 890-1445-42

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 14:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/23/21 22:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 14:34	CH	XEN MID

Client Sample ID: SW-77 (4)

Lab Sample ID: 890-1445-43

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 15:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/23/21 23:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 14:41	CH	XEN MID

Client Sample ID: SW-78 (4)

Lab Sample ID: 890-1445-44

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 15:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-78 (4)

Lab Sample ID: 890-1445-44

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/23/21 23:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 14:48	CH	XEN MID

Client Sample ID: SW-79 (4)

Lab Sample ID: 890-1445-45

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 16:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/23/21 23:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 15:09	CH	XEN MID

Client Sample ID: SW-80 (4)

Lab Sample ID: 890-1445-46

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 16:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/24/21 00:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 15:16	CH	XEN MID

Client Sample ID: SW-81 (2)

Lab Sample ID: 890-1445-47

Date Collected: 10/14/21 00:00
Matrix: Solid
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 17:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/24/21 00:29	AJ	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-81 (2)

Lab Sample ID: 890-1445-47
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 15:36	CH	XEN MID

Client Sample ID: SW-82 (4)

Lab Sample ID: 890-1445-48
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 17:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/24/21 00:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 15:43	CH	XEN MID

Client Sample ID: SW-83 (4)

Lab Sample ID: 890-1445-49
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 17:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/24/21 01:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 15:50	CH	XEN MID

Client Sample ID: SW-84 (4)

Lab Sample ID: 890-1445-50
Matrix: Solid
Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 18:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/24/21 01:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 15:57	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Client Sample ID: SW-85 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-51

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 18:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/24/21 01:48	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 16:04	CH	XEN MID

Client Sample ID: SW-86 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-52

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 20:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/24/21 02:28	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 16:11	CH	XEN MID

Client Sample ID: SW-87 (2)

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 15:43

Lab Sample ID: 890-1445-53

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10005	10/20/21 14:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10194	10/24/21 21:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			10526	10/25/21 18:48	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10196	10/22/21 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10277	10/22/21 16:46	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			10309	10/24/21 02:48	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9973	10/20/21 12:15	CH	XEN MID
Soluble	Analysis	300.0		1			10325	10/24/21 16:18	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

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	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Booster Pump 1003

Job ID: 890-1445-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1445-1	T-1 (0-1)	Solid	10/13/21 00:00	10/15/21 15:43	0
890-1445-2	T-1 (1)	Solid	10/13/21 00:00	10/15/21 15:43	1
890-1445-3	T-1 (2)	Solid	10/13/21 00:00	10/15/21 15:43	2
890-1445-4	T-1 (3)	Solid	10/13/21 00:00	10/15/21 15:43	3
890-1445-5	T-1 (4)	Solid	10/13/21 00:00	10/15/21 15:43	4
890-1445-6	T-2 (0-1)	Solid	10/14/21 00:00	10/15/21 15:43	0
890-1445-7	T-2 (1)	Solid	10/14/21 00:00	10/15/21 15:43	1
890-1445-8	T-2 (2)	Solid	10/14/21 00:00	10/15/21 15:43	2
890-1445-9	T-2 (3)	Solid	10/14/21 00:00	10/15/21 15:43	3
890-1445-10	T-2 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-11	T-3 (0-1)	Solid	10/13/21 00:00	10/15/21 15:43	0
890-1445-12	T-3 (1)	Solid	10/13/21 00:00	10/15/21 15:43	1
890-1445-13	T-3 (2)	Solid	10/13/21 00:00	10/15/21 15:43	2
890-1445-14	T-3 (3)	Solid	10/13/21 00:00	10/15/21 15:43	3
890-1445-15	T-3 (4)	Solid	10/13/21 00:00	10/15/21 15:43	4
890-1445-16	T-4 (0-1)	Solid	10/13/21 00:00	10/15/21 15:43	0
890-1445-17	T-4 (1)	Solid	10/13/21 00:00	10/15/21 15:43	1
890-1445-18	T-4 (2)	Solid	10/13/21 00:00	10/15/21 15:43	2
890-1445-19	T-4 (3)	Solid	10/13/21 00:00	10/15/21 15:43	3
890-1445-20	T-4 (4)	Solid	10/13/21 00:00	10/15/21 15:43	4
890-1445-21	BH-59 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-22	BH-60 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-23	BH-61 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-24	BH-62 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-25	BH-63 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-26	BH-64 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-27	BH-65 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-28	BH-66 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-29	BH-67 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-30	BH-68 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-31	BH-69 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-32	BH-70 (2)	Solid	10/14/21 00:00	10/15/21 15:43	2
890-1445-33	BH-71 (2)	Solid	10/14/21 00:00	10/15/21 15:43	2
890-1445-34	BH-72 (2)	Solid	10/14/21 00:00	10/15/21 15:43	2
890-1445-35	BH-73 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-36	SW-70 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-37	SW-71 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-38	SW-72 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-39	SW-73 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-40	SW-74 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-41	SW-75 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-42	SW-76 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-43	SW-77 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-44	SW-78 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-45	SW-79 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-46	SW-80 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-47	SW-81 (2)	Solid	10/14/21 00:00	10/15/21 15:43	2
890-1445-48	SW-82 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-49	SW-83 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-50	SW-84 (4)	Solid	10/14/21 00:00	10/15/21 15:43	4
890-1445-51	SW-85 (2)	Solid	10/14/21 00:00	10/15/21 15:43	2
890-1445-52	SW-86 (2)	Solid	10/14/21 00:00	10/15/21 15:43	2
890-1445-53	SW-87 (2)	Solid	10/14/21 00:00	10/15/21 15:43	2

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

890-1445 Chain of Custody

Client Name: Solaris	Site Manager: Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	Project #: 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins Xenco	Sampler Signature: Ezequiel Moreno
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
	T-1 (0-1')	10/13/2021			X				X					X		X												X								
	T-1 (1')	10/13/2021			X				X					X		X												X								
	T-1 (2')	10/13/2021			X				X					X		X												X								
	T-1 (3')	10/13/2021			X				X					X		X												X								
	T-1 (4')	10/13/2021			X				X					X		X												X								
	T-2 (0-1')	10/14/2021			X				X					X		X												X								
	T-2 (1')	10/14/2021			X				X					X		X												X								
	T-2 (2')	10/14/2021			X				X					X		X												X								
	T-2 (3')	10/14/2021			X				X					X		X												X								
	T-2 (4')	10/14/2021			X				X					X		X												X								

Relinquished by: Ezequiel Moreno	Date: 10/15/21	Time: 3:40pm	Received by: Joe Cuff
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 10.15.21 Time: 1543

LAB USE ONLY

Sample Temperature: 5.4 / 5.2

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

Received by OCD: 3/16/2023 8:02:19 AM

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Released to Imaging: 4/19/2023 1:58:08 PM

10/25/2021

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	Solaris	**Site Manager:**	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	**Project #:**	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins 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	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 Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	T-3 (0-1')	10/13/2021			X				X					X		X												X								
	T-3 (1')	10/13/2021			X				X					X		X												X								
	T-3 (2')	10/13/2021			X				X					X		X												X								
	T-3 (3')	10/13/2021			X				X					X		X												X								
	T-3 (4')	10/13/2021			X				X					X		X												X								
	T-4 (0-1')	10/13/2021			X				X					X		X												X								
	T-4 (1')	10/13/2021			X				X					X		X												X								
	T-4 (2')	10/13/2021			X				X					X		X												X								
	T-4 (3')	10/13/2021			X				X					X		X												X								
	T-4 (4')	10/13/2021			X				X					X		X												X								

Relinquished by: Ezequiel Moreno	Date: 10/15/21	Time: 3:40pm	Received by: Cloe Cuff	Date: 10-15-21	Time: 1543
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

Client Name:	Solaris	Site Manager:	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	Project #:	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins 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 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-59 (4')	10/14/2021			X				X					X		X												X								
	BH-60 (4')	10/14/2021			X				X					X		X												X								
	BH-61 (4')	10/14/2021			X				X					X		X												X								
	BH-62 (4')	10/14/2021			X				X					X		X												X								
	BH-63 (4')	10/14/2021			X				X					X		X												X								
	BH-64 (4')	10/14/2021			X				X					X		X												X								
	BH-65 (4')	10/14/2021			X				X					X		X												X								
	BH-66 (4')	10/14/2021			X				X					X		X												X								
	BH-67 (4')	10/14/2021			X				X					X		X												X								
	BH-68 (4')	10/14/2021			X				X					X		X												X								

Relinquished by: Ezequiel Moreno	Date: 10/15/21	Time: 3:40	Received by: Clor Cruz Date: 10.15.21 Time: 1543
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

Client Name:	Solaris	**Site Manager:**	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	**Project #:**	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins 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	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-69 (2')	10/14/2021			X				X					X		X												X								
	BH-70 (2')	10/14/2021			X				X					X		X												X								
	BH-71 (2')	10/14/2021			X				X					X		X												X								
	BH-72 (2')	10/14/2021			X				X					X		X												X								
	BH-73 (4')	10/14/2021			X				X					X		X												X								
	SW-70 (4')	10/14/2021			X				X					X		X												X								
	SW-71 (4')	10/14/2021			X				X					X		X												X								
	SW-72 (4')	10/14/2021			X				X					X		X												X								
	SW-73 (4')	10/14/2021			X				X					X		X												X								
	SW-74 (4')	10/14/2021			X				X					X		X												X								

Relinquished by: Ezequiel Moreno	Date: 10/15/21	Time: 3:40pm	Received by: Cloe Cruz	Date: 10.15.21	Time: 1543
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax
(432) 682-3946

Client Name: Solaris	**Site Manager:** Brittany Long
Project Name: Booster Pump 1003	
Project Location: (county, state) Eddy County	**Project #:** 212C-MD-02236
Invoice to: Tetra Tech, Inc.	
Receiving Laboratory: Eurofins Xenco	**Sampler Signature:** Ezequiel Moreno
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	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-75 (4')	10/14/2021			X				X					X		X													X							
	SW-76 (4')	10/14/2021			X				X					X		X													X							
	SW-77 (4')	10/14/2021			X				X					X		X													X							
	SW-78 (4')	10/14/2021			X				X					X		X													X							
	SW-79 (4')	10/14/2021			X				X					X		X													X							
	SW-80 (4')	10/14/2021			X				X					X		X													X							
	SW-81 (2')	10/14/2021			X				X					X		X													X							
	SW-82 (4')	10/14/2021			X				X					X		X													X							
	SW-83 (4')	10/14/2021			X				X					X		X													X							
	SW-84 (4')	10/14/2021			X				X					X		X													X							

Relinquished by: Ezequiel Moreno	Date: 10/15/21	Time: 3:40pm	Received by: Clive Cuff
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 10-15-21 Time: 1543

LAB USE ONLY

Sample Temperature

REMARKS:

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705

Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	Solaris	**Site Manager:**	Brittany Long
Project Name:	Booster Pump 1003		
Project Location: (county, state)	Eddy County	**Project #:**	212C-MD-02236
Invoice to:	Tetra Tech, Inc.		
Receiving Laboratory:	Eurofins 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	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	SW-85 (2')	10/14/2021			X				X					X			X												X								
	SW-86 (2')	10/14/2021			X				X					X			X												X								
	SW-87 (2')	10/14/2021			X				X					X			X												X								

Relinquished by: Ezequiel Moreno	Date: 10/15/21	Time: 3:40PM	Received by: Ave Cruz
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 10.15.21 Time: 1543

LAB USE ONLY

Sample Temperature: Rg

REMARKS:

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

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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: 890-467 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Louisiana NELAP - Texas		Job #: 890-1445-1
Address: 1211 W Florida Ave	Due Date Requested: 10/21/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
			Preservation Code:										
T-1 (0-1) (890-1445-1)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-1 (1) (890-1445-2)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-1 (2) (890-1445-3)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-1 (3) (890-1445-4)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-1 (4) (890-1445-5)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-2 (0-1) (890-1445-6)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
T-2 (1) (890-1445-7)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
T-2 (2) (890-1445-8)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
T-2 (3) (890-1445-9)	10/14/21	Mountain		Solid			X	X	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	Chris Cuff 10 18 21			Kramer	10.19 21	
2	Relinquished by	Date/Time	Company	Received by	Date/Time 1100	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.
		2.4/2.5

Ver: 06/08/2021

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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: 890-467 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 2 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1445-1
Address: 1211 W Florida Ave	Due Date Requested: 10/21/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
Site:	SSOW#:			

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:

Analysis Requested

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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
T-2 (4) (890-1445-10)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
T-3 (0-1) (890-1445-11)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-3 (1) (890-1445-12)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-3 (2) (890-1445-13)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-3 (3) (890-1445-14)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-3 (4) (890-1445-15)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-4 (0-1) (890-1445-16)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-4 (1) (890-1445-17)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-4 (2) (890-1445-18)	10/13/21	Mountain		Solid			X	X	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 subcontracted to Eurofins Xenco LLC, by any 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 compliance 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
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: 06/08/2021

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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: 890-467 3
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 3 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1445-1
Address: 1211 W Florida Ave	Due Date Requested: 10/21/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701	PO #:			
Phone: 432-704-5440(Tel)	WO #:			
Email:	Project #: 88000039			
Project Name: Booster Pump 1003	SSOW#:			
Site:				

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:

Analysis Requested

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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
T-4 (3) (890-1445-19)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
T-4 (4) (890-1445-20)	10/13/21	Mountain		Solid			X	X	X	X	X	1	
BH-59 (4) (890-1445-21)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-60 (4) (890-1445-22)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-61 (4) (890-1445-23)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-62 (4) (890-1445-24)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-63 (4) (890-1445-25)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-64 (4) (890-1445-26)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-65 (4) (890-1445-27)	10/14/21	Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon 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 subbed to Eurofins Xenco LLC, unless the laboratory or client instructions to the contrary are received. 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 compliance 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: Ade Cuf 10.18.21	Date/Time	Company	Received by: Akramer	Date/Time	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: 06/08/2021

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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: 890-467 4
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 4 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Louisiana, NELAP - Texas		Job #: 890-1445-1
Address: 1211 W Florida Ave	Due Date Requested: 10/21/2021			
City: Midland	TAT Requested (days)			
State, Zip: TX 79701				
Phone: 432 704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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, B=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
BH-66 (4) (890-1445-28)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-67 (4) (890-1445-29)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-68 (4) (890-1445-30)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-69 (4) (890-1445-31)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-70 (2) (890-1445-32)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-71 (2) (890-1445-33)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-72 (2) (890-1445-34)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
BH-73 (4) (890-1445-35)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-70 (4) (890-1445-36)	10/14/21	Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco 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 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 compliance 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	Relinquished by: 10/19/21	Date/Time.	Company	Received by: Kramer	Date/Time	Company
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

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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: 890-467 5
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 5 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Louisiana NELAP - Texas		Job #: 890-1445-1
Address: 1211 W Florida Ave	Due Date Requested: 10/21/2021			Preservation Codes
City: Midland	TAT Requested (days)			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)
State, Zip: TX 79701				Other:
Phone: 432 704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
Site	SSOW#:			

Analysis Requested

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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
SW 71 (4) (890-1445-37)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW 72 (4) (890-1445-38)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-73 (4) (890-1445-39)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-74 (4) (890-1445-40)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-75 (4) (890-1445-41)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-76 (4) (890-1445-42)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-77 (4) (890-1445-43)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-78 (4) (890-1445-44)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-79 (4) (890-1445-45)	10/14/21	Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accredi[tation] is a subcontract chang[e], Eurofins Xenco LC p[lease] st[ate] m[e]th[od] [and] & accreditati[on] compa[re] [be]twe[en] out[s]bcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the S[tate] [of] z[ip] s[ite] [and] [for] [the] [an]alyte[s] [of] s[ite] co[de] C[ode] [by] th[is] ns ructio[n] be provid[ed]. Any chang[e] to accred[itation] 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 compliance to Eurofins Xenco LLC.

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I II III IV Other (specify)
Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:			
Relinquished by: Ace Cuff 10 18 21	Date/Time	Company	Received by: PKramer	Date/Time	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

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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: 890-467 6
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 6 of 6
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Louisiana NELAP - Texas		Job #: 890-1445-1
Address: 1211 W Florida Ave	Due Date Requested: 10/21/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432 704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Booster Pump 1003	Project #: 88000039			
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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
SW 80 (4) (890-1445-46)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-81 (2) (890-1445-47)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-82 (4) (890-1445-48)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW 83 (4) (890-1445-49)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-84 (4) (890-1445-50)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-85 (2) (890-1445-51)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-86 (2) (890-1445-52)	10/14/21	Mountain		Solid			X	X	X	X	X	1	
SW-87 (2) (890-1445-53)	10/14/21	Mountain		Solid			X	X	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 required states, it is the responsibility of the subcontract laboratory to immediately notify Eurofins Xenco LLC and provide the data for the next lowest concentration standard. Eurofins Xenco LLC must be notified immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC. 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 compliance to Eurofins Xenco LLC. 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 compliance to Eurofins Xenco LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I II III IV Other (specify)

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: Cae Cuf 10.18.21	Date/Time	Company	Received by: PKramer	Date/Time	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

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Received by OCD: 3/16/2023 8:02:19 AM

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1445-1
SDG Number: Eddy County

Login Number: 1445
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, 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: 890-1445-1
SDG Number: Eddy County

Login Number: 1445
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 10/19/21 11:03 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4/2.5
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").	N/A	

TETRA TECH

Appendix D

Soil and Seed Mixture Information

Eddy Area, New Mexico

TC—Tonuco loamy sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w60
Elevation: 3,000 to 4,100 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 200 to 217 days
Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tonuco

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loamy sand
H2 - 5 to 15 inches: loamy fine sand
H3 - 15 to 19 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 6 to 20 inches to petrocalcic
Natural drainage class: Excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Very low (about 1.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: Sandy (R042XC004NM)
Hydric soil rating: No

Minor Components

Tonuco

Percent of map unit: 1 percent
Ecological site: Sandy (R042XC004NM)
Hydric soil rating: No

Dune land

Percent of map unit: 1 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 15, Sep 15, 2019

BLM SERIAL #:

COMPANY REFERENCE:

3.1 Seed Mixture 1, for Loamy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (small/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Plains lovegrass (Eragrostis intermedia)	0.5
Sand dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

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 197783

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 197783
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Incident NRM2003445187 was previously closed on 6/28/2022. Possible duplicate upload.	4/19/2023