

SITE INFORMATION

Report Type: Closure Report (2RP-815)

General Site Information:

Site:	BonBon BNN State Com #1 H				
Company:	EOG Resources				
Section, Township and Range	Unit M	Sec. 27	T 25S	R 28E	
County:	Eddy County, NM				
GPS:	32.09503			-104.08216	
Surface Owner:	State of New Mexico				

Release Data:

Date Released:	6/4/2011
Type Release:	Produced Water
Source of Contamination:	8" Discharge line on Water Pump Ruptured
Fluid Released:	650 bbls. of Produced water
Fluids Recovered:	630 bbls. of Produced water

Official Communication:

Name:	James Kennedy		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr		901 West Wall Street
			Suite 100
City:	Midland, TX 79706		Midland, Texas 79701
Phone number:	432-686-7016		432-687-8634
Fax:			
Email:	James.Kennedy@eogresources.com		clair.gonzales@tetrattech.com

Site Characterization

Depth to Groundwater:	50' below ground surface (bgs)
Karst Potential:	Low

Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg



May 21, 2021

Bradford Billings
Hydrologist
District 2 Artesia
Oil Conservation Division
Santa Fe, NM 87505

**Re: Closure Report
EOG Resources
BonBon BNN State Com #1 H
Unit M, Section 27, Township 25 South, Range 28 East
Eddy County, New Mexico
2RP-815**

Mr. Billings:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release at the EOG BonBon BNN State Com #1 H (API No. 30-015-36913). The release footprint is located in the Public Land Survey System (PLSS) Unit M, Section 27, Township 25 South, Range 28 East, Eddy County, New Mexico (Site). The Site coordinates are 32.09503°, -10408216. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the release occurred on June 04, 2011 due to an 8-inches line on water pump ruptured possibly as a result of an increase in main line pressure. The release consisted of 650 barrels (bbls.) of produced water and affected an approximate area of 4 feet (ft.) by 1200 ft. outside of production pad and access road. During immediate response, the valves were isolated from main waterline, and a vacuum truck recovered 630 bbls. of produced water. The initial C-141 report was submitted on March 27, 2018 to the New Mexico Oil Conservation District (NMOCD). The release was subsequently assigned the Remediation Permit (RP) number 2RP-815. The C-141 forms are included in Appendix A.

Site Characterization

A site characterization was performed for the site, and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances, and the site is in a medium karst potential area. The nearest well is listed in the USGS National Water Information Database website in Section 35, approximately 1.7 miles southeast of the site, and has a reported depth to groundwater of 54.96 feet below ground surface last sample on 2013. In addition, according to the New Mexico Office of the State Engineer, there are no water wells within 800 meters (½ miles)

Tetra Tech

901 West Wall Street, Suite 100, Midland, TX 79701

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com



radius. However, there are three (3) water wells located within 2,400 meters (approximately 1.5 miles) of the Site. The average depth to groundwater is 50 ft. bgs. Site characterization data is included in Appendix B.

Regulatory

A risk-based evaluation was performed for the site per 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 on 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

On March 26 and 29, 2021, Tetra Tech personnel were on site to evaluate and sample the release area. The formerly impacted area was identified from the description in the C-141 and the aerial imagery. Soils were field screened for salinity using an Extech EC400 ExStik to determine sampling intervals. A total of three (3) auger holes (AH-1, AH-3 and AH-4) were advanced to a total depth from surface to 4 ft. bgs. The sample location (AH-2) was not collected due to a misnumbering during the field work. In addition, six (6) horizontal samples (H-1 through H-6) were collected along the perimeter of the release footprint at a depth from top to 1 ft. bgs. A total of eighteen (18) samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The results of the sampling are summarized in Table 1. The auger hole and horizontal locations are shown on Figure 3. Photographic documentation is included.

Referring to Table 1, one sample location (AH-3) exceeded the Site RAALs for chloride (600 mg/kg) at depth from 1 ft. to 3 ft. bgs. All of the additional samples were below the Site RRAL for chloride (600 mg/kg), TPH (100 mg/kg), BTEX (50 m/kg) and benzene (10 mg/kg).

Remediation Activities

On May 7, 2021, Tetra Tech personnel were on site to supervise the excavation and remediation activities in order to remove the impacted soil from the release area. The excavated areas are shown on Figure 4. The area at AH-3 was excavated to a total depth of 4 ft. bgs. Once the excavation was completed, confirmation samples were collected. One (1) bottom hole sample (FS-1) was collected at 4 ft. bgs and four (4) sidewall samples were to the north, east, west and south of the excavation. A total of five (5) samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The results of the sampling are summarized in Table 2.



Referring to Table 2, the sample location (FS-1) exceeded the Site RRALs for chloride (600 mg/kg) at the depth 4 ft. bgs. All of the additional samples were below the Site RRAL for chloride (600 mg/kg), TPH (100 mg/kg), BTEX (50 m/kg) and benzene (10 mg/kg).

On May 13, 2021, Tetra Tech personnel returned to the site to supervise additional excavation activities. The area was excavated to a total depth of 6 ft. bgs. and once was completed, one (1) bottom hole sample (FS-1) was collected at 6 ft. bgs. The collected sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The results of the sampling are summarized in Table 2.

Referring to Table 2, the sample location (FS-1) was below the Site RRAL for chloride (600 mg/kg), TPH (100 mg/kg), BTEX (50 m/kg) and benzene (10 mg/kg).

The excavations were all backfilled with clean soil material. Approximately 161 cubic yards of material was transported offsite for proper disposal.

Conclusion

Based on the laboratory results and remediation activities performed, EOG requests closure of this spill issue. The final C-141 initial reports 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

Paula Tocora Alonso
Paula Tocora Alonso
Environmental Engineer II
Tetra Tech, Inc

Figures



C:\GIS\EOG Resources\212C_MD_02419_BONBON_BNN_SC1_2RP815.FIG1.mxd 5/19/2021 jcl.peters

 SITE LOCATION



0 2.5 5 Miles
Approximate Scale in Miles

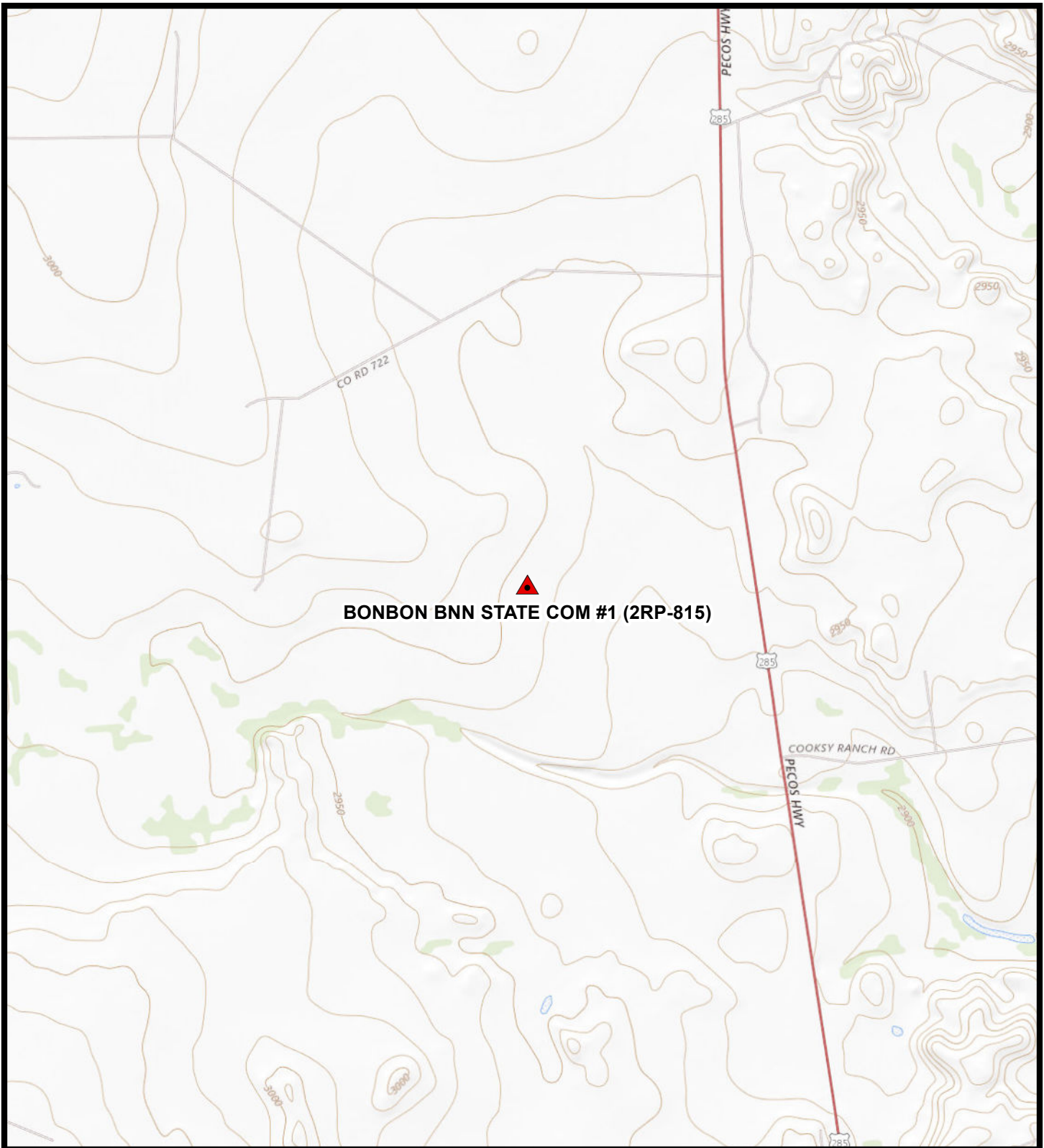
OVERVIEW MAP
BONBON BNN STATE COM #1
Property Located at coordinates 32.09503°, -104.08216°
EDDY COUNTY, NEW MEXICO



Project #:
212C-MD-02419

FIGURE
1

Source: ESRI Basemap - Streets, 2021.



C:\GIS\EOG Resources\212C_MD_02419_BONBON_BNN_SC1_2RP815_FIG2.mxd 5/19/2021 jpl/paltrs

 SITE LOCATION



0 1,000 2,000 Feet
Approximate Scale in Miles

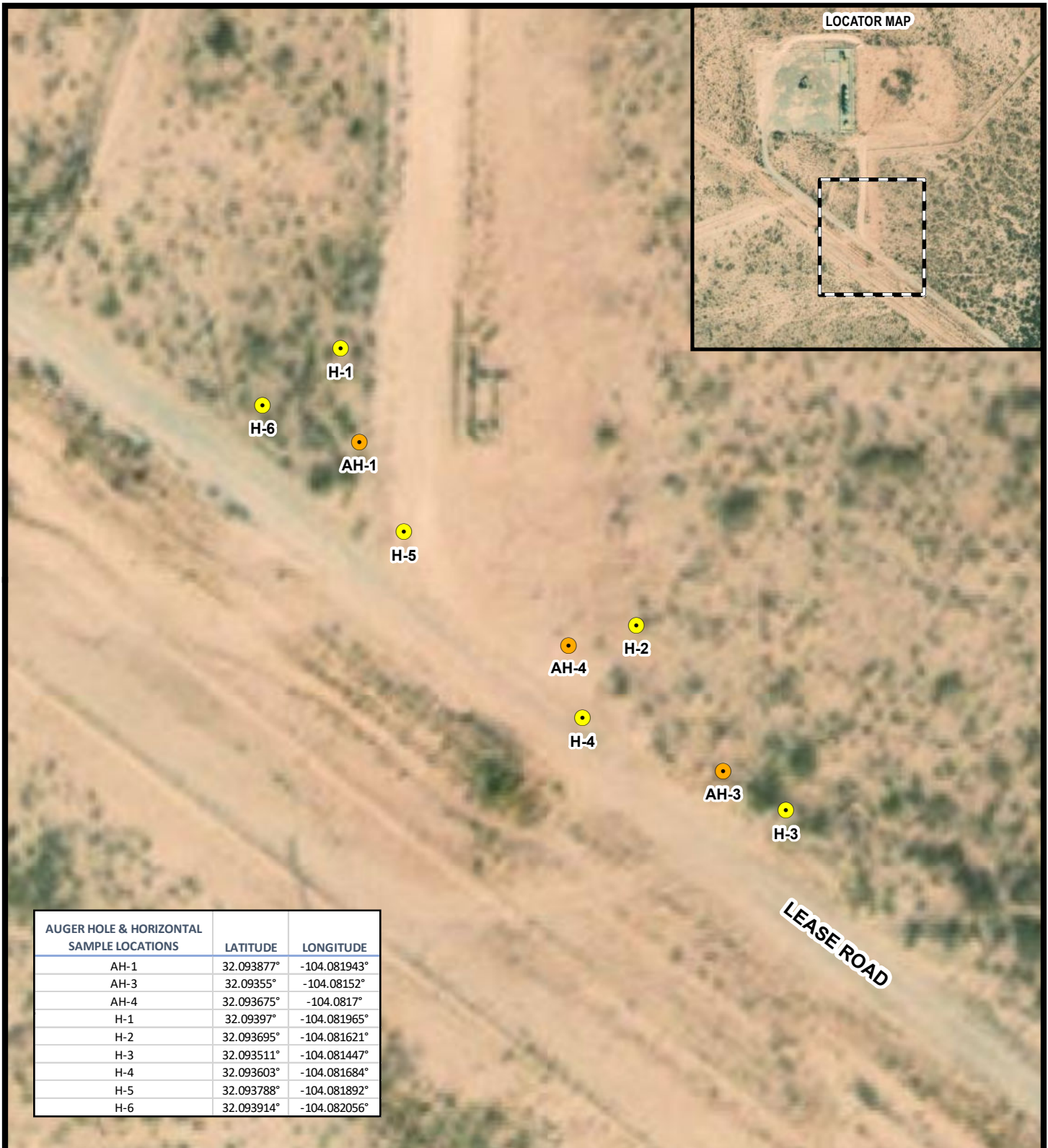
TOPOGRAPHIC MAP
BONBON BNN STATE COM #1
Property Located at coordinates 32.09503°, -104.08216°
EDDY COUNTY, NEW MEXICO



Project #:
212C-MD-02419

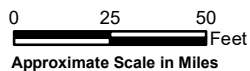
FIGURE
2

Source: USGS, The National Map,
Topo Base, 2021.



AUGER HOLE & HORIZONTAL SAMPLE LOCATIONS	LATITUDE	LONGITUDE
AH-1	32.093877°	-104.081943°
AH-3	32.09355°	-104.08152°
AH-4	32.093675°	-104.0817°
H-1	32.09397°	-104.081965°
H-2	32.093695°	-104.081621°
H-3	32.093511°	-104.081447°
H-4	32.093603°	-104.081684°
H-5	32.093788°	-104.081892°
H-6	32.093914°	-104.082056°

- AUGER HOLE SAMPLE LOCATION
- HORIZONTAL SAMPLE LOCATION



RELEASE ASSESSMENT MAP AND BORING LOCATIONS
 BONBON BNN STATE COM #1
 Property Located at coordinates 32.09503° , -104.08216°
 EDDY COUNTY, NEW MEXICO

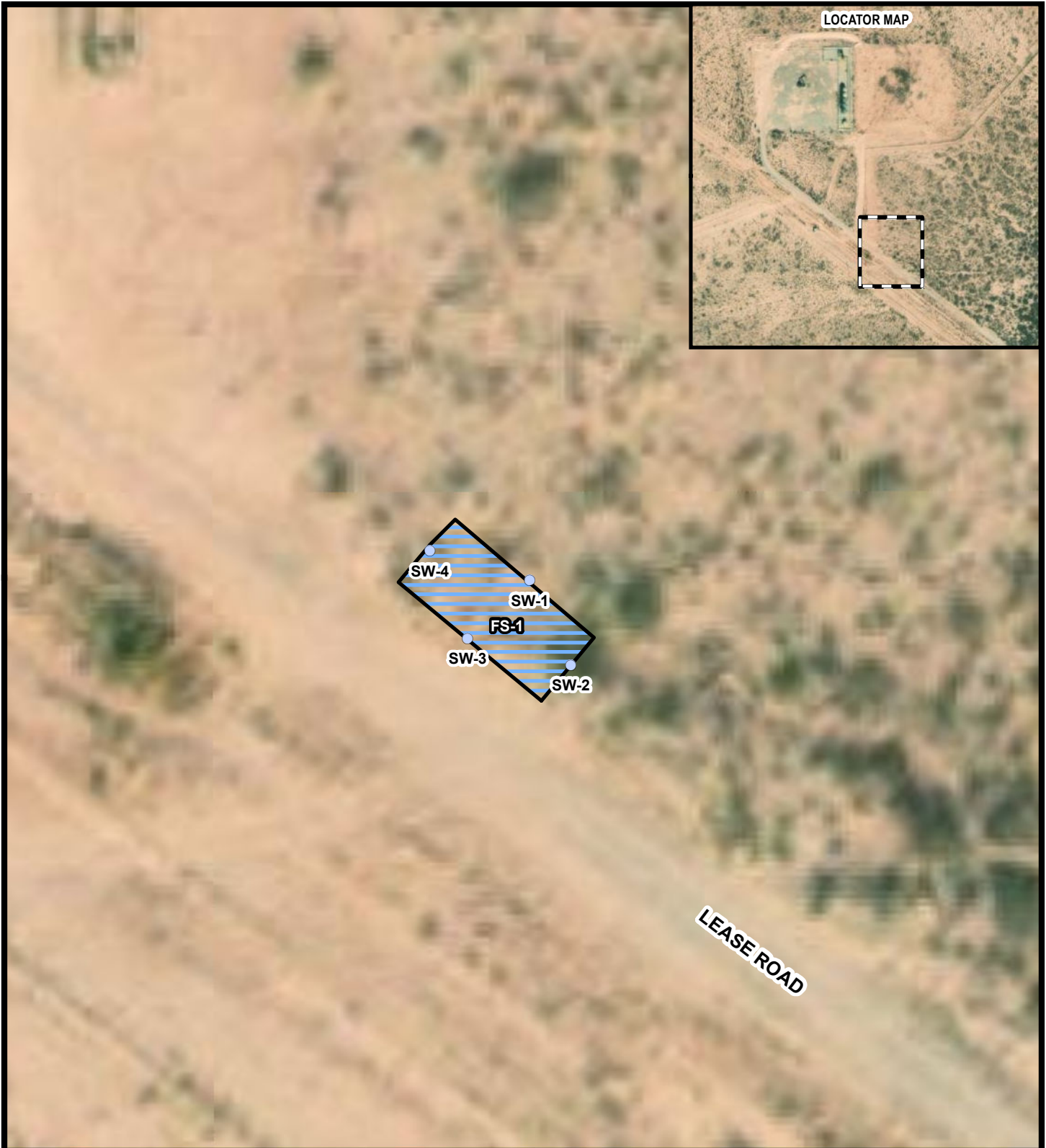


Project #:
212C-MD-02419


FIGURE
3

Source: ESRI Basemap - Imagery, 2020.

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- FS-1** FLOOR SAMPLE LOCATION
- SIDEWALL DESIGNATION
-  6' EXCAVATED DEPTH AREA



0 15 30 Feet
 Approximate Scale in Miles

Source: ESRI Basemap - Imagery, 2020.

EXCAVATION AREA AND DEPTH MAP
 BONBON BNN STATE COM #1
 Property Located at coordinates 32.09503°, -104.08216°
 EDDY COUNTY, NEW MEXICO



Project #:
 212C-MD-02419

FIGURE
 4

Tables

Table 1
EOG
Bon Bon State Com #1H
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	3/26/2021	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	9.45
	3/26/2021	1.5-2	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<4.98
	3/26/2021	2.5-3	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<4.97
	3/26/2021	3.5-4	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	5.13
AH-3	3/26/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	54.8
	3/26/2021	1.5-2	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	787
	3/26/2021	2.5-3	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	976
	3/26/2021	3.5-4	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	125
AH-4	3/26/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	121
	3/26/2021	1.5-2	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	0.00237	<0.00396	0.00502	28.7
	3/26/2021	2.5-3	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	21.1
	3/26/2021	3.5-4	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	8.75
Horizontal-1	3/29/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	9.64
Horizontal-2	3/29/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	5.43
Horizontal-3	3/29/2021	0-1	X	-	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	21.2
Horizontal-4	3/29/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<5.04
Horizontal-5	3/29/2021	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<5.05
Horizontal-6	3/29/2021	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<5.03

(-) Not Analyzed
 Exceeded RRALs

Table 2
EOG
Bon Bon State Com #1H
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)	Ethlybenzen e (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	ORO	Total						
FS-1	5/7/2021	-	4	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,010
FS-1	5/13/2021	-	6	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	519
SW-1	5/7/2021	-	4	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	59.2
SW-2	5/7/2021	-	4	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	59.5
SW-3	5/7/2021	-	4	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	90.6
SW-4	5/7/2021	-	4	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	127

(-) Not Analyzed
 Excavated

Photos

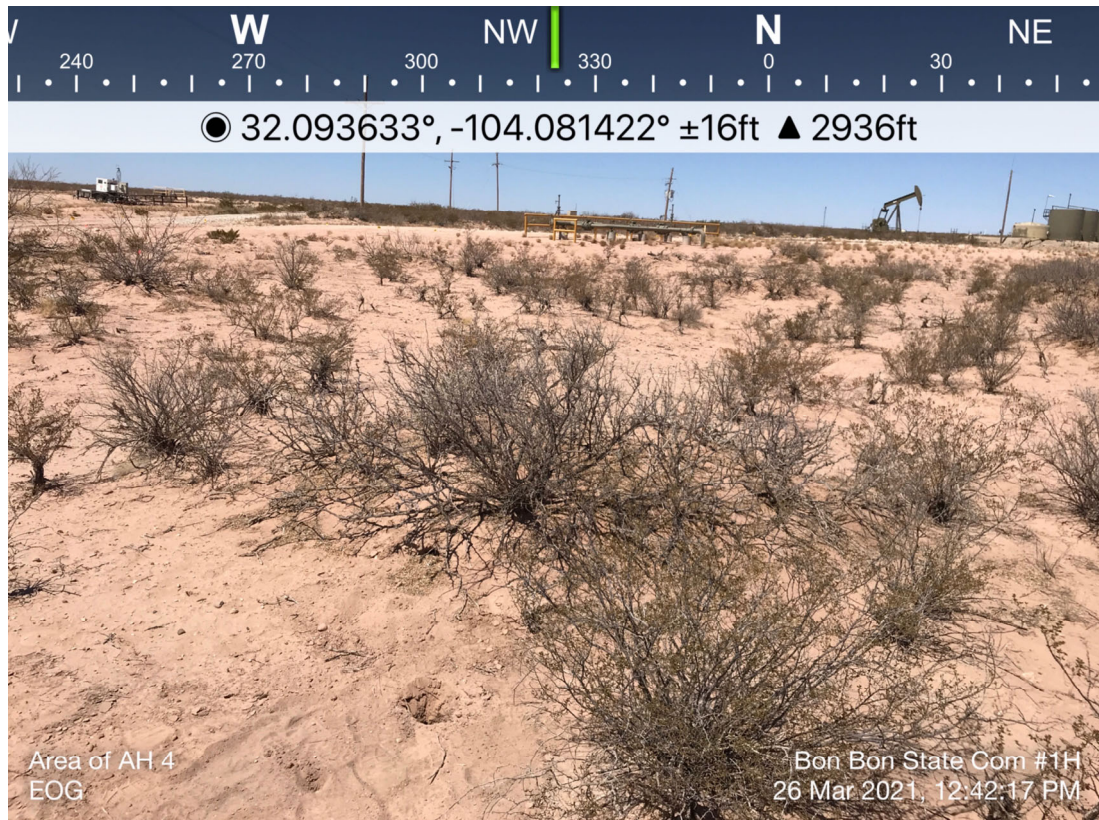
EOG Resources BonBon BNN State Com #1 H Eddy County, New Mexico



TETRA TECH



View of Release Area – View South



View of Release Area – View Northwest

EOG Resources
BonBon BNN State Com #1 H
Eddy County, New Mexico



TETRA TECH



View of Remediation Activities – View Southeast

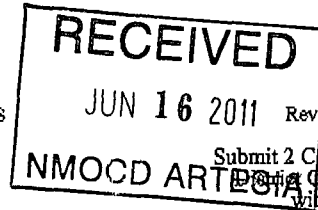


View of Remediation Activities – View South

Appendix A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

nmlcb/122146796

OPERATOR

Initial Report Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street	Telephone No. 575-748-1471	
Facility Name Bonbon BNN State Com. #1-H	API Number 30-015-36913	Facility Type Battery
Surface Owner State	Mineral Owner State	Lease No. VA-3056

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	27	25S	28E	660	South	330	West	Eddy

Latitude 32.09503 Longitude 104.08216

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 650 B/PW	Volume Recovered 630 B/PW
Source of Release Water pump discharge line	Date and Hour of Occurrence 6/4/2011; PM	Date and Hour of Discovery 6/4/2011; PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/NMOCD II	
By Whom? Amanda Trujillo/Yates Petroleum Corporation	Date and Hour 6/5/2011; PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* 8" discharge line on water pump ruptured possibly due to an increase in main line pressure. Valves were isolated from main waterline. Vacuum trucks called.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 4' X 1200' (outside of production pad and access road). Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 10) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. . Depth to Ground Water: 50-99' (90', Section 28, T25S-R28E, NMOSE), Wellhead Protection Area: No, Distance to Surface Water Body: > 1000', SITE RANKING IS 10.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		

OIL CONSERVATION DIVISION

Signature: *Robert Asher*
Printed Name: Robert Asher
Title: Senior Environmental Regulatory Agent
E-mail Address: boba@yatespetroleum.com
Date: Thursday, June 16, 2011 Phone: 575-748-4021

Signed By *Mike Bratcher*
Approved by District Supervisor:

Approval Date: **AUG 09 2011** Expiration Date:

Conditions of Approval:
Remediation per OCD Rules & Guidelines. **SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:**

9/9/2011

Attached

ZRP-815

* Attach Additional Sheets If Necessary

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

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: James F. Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____
 Signature: James F. Kennedy Date: _____
 email: _____ Telephone: _____

OCD Only

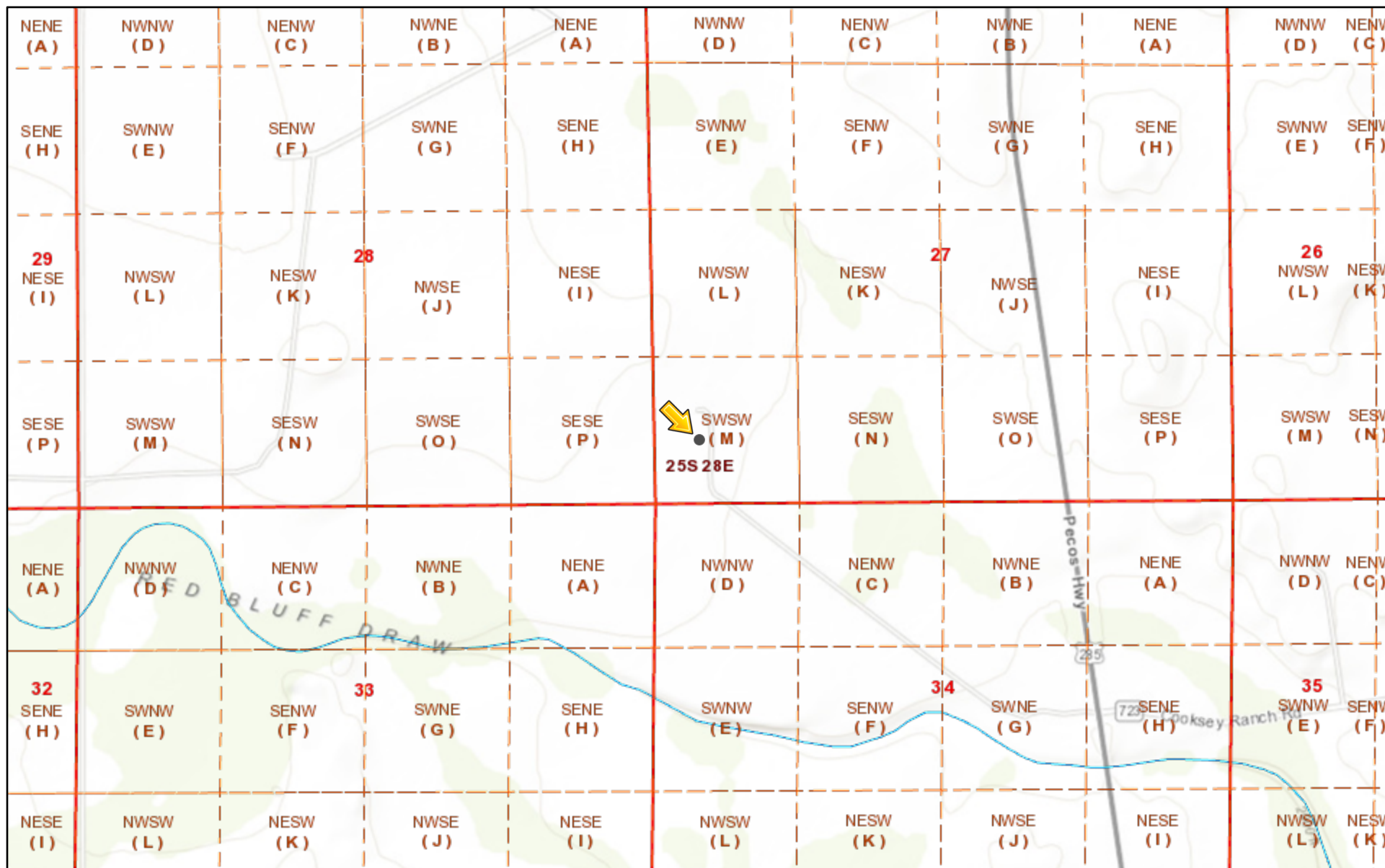
Received by: OCD Date: 10/14/2021

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

Closure Approved by: Ashley Maxwell Date: 2/02/2023
 Printed Name: Ashley Maxwell Title: Environmental Specialist

Appendix B

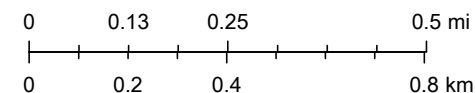
2RP-815



3/23/2021, 9:09:05 PM

1:18,056

- Override 1
- PLSS Second Division
- OSE Water-bodies
- OCD District Offices
- PLSS Townships
- PLJV Probable Playas
- PLSS First Division
- OSE Streams



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin,

New Mexico Oil Conservation Division

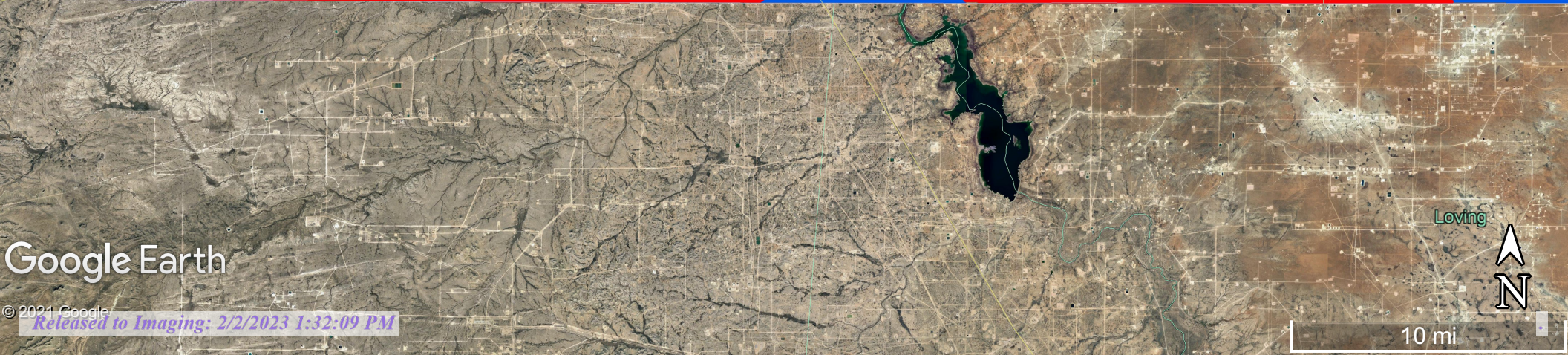
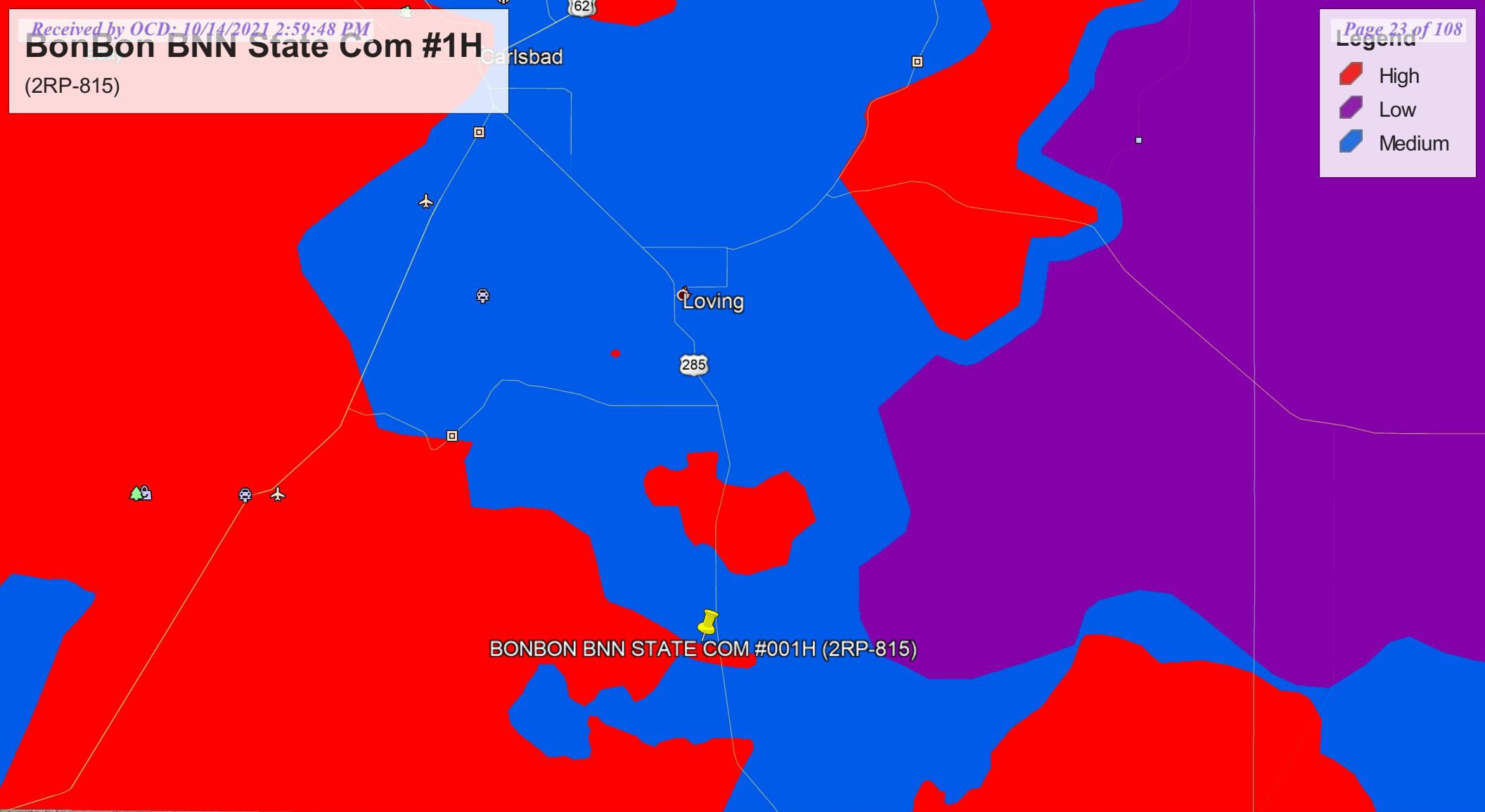
NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

BonBon BNN State Com #1H

(2RP-815)

Legend

- High
- Low
- Medium



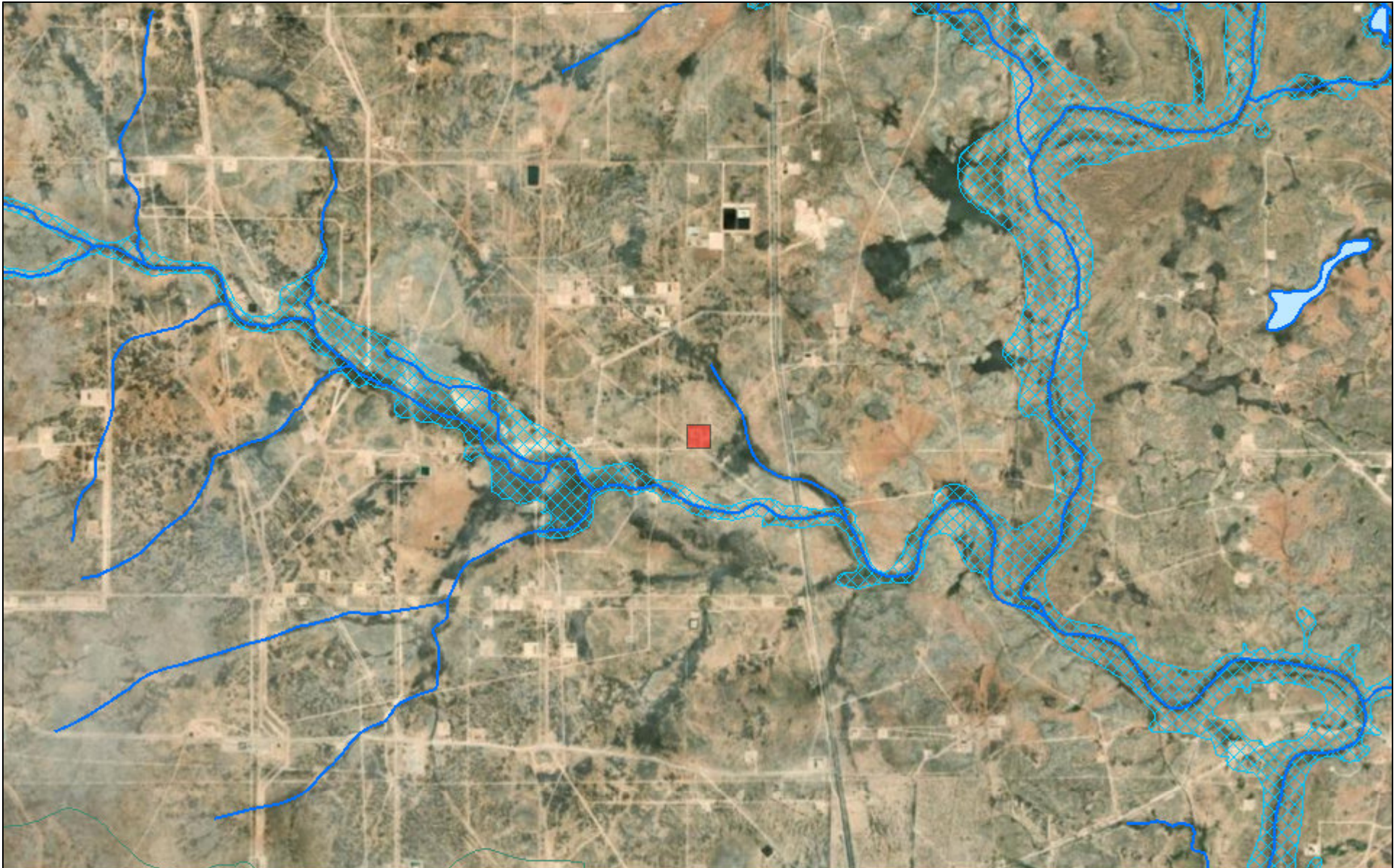
Google Earth

Loving

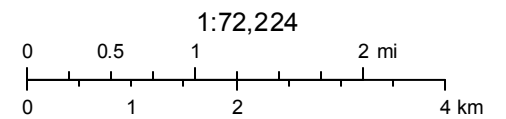


10 mi

New Mexico NFHL Data



March 23, 2021



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



National Water Information System: Mapper

USGS Home
Contact USGS
Search USGS

Help Info



Site Information



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

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

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Well Depth	Water Column
C_01278	C	ED	ED	4	3	28	25S	28E		585470	3551338*	1137	205	90 115
C_02477	CUB	ED	ED	1	1	03	26S	28E		586687	3549347*	1991	150	
C_03836 POD1	C	ED	ED	2	2	4	29	25S	28E	584682	3551934	2015	300	30 270

Average Depth to Water: **60 feet**

Minimum Depth: **30 feet**

Maximum Depth: **90 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 586607.86

Northing (Y): 3551337.14

Radius: 2400

*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.

3/23/21 8:34 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



National Water Information System: Web Interface

USGS Water Resources

USGS Home
Contact USGS
Search USGS

Data Category: Groundwater Geographic Area: New Mexico

Click to hide News Bulletins

- Explore the [NEW USGS National Water Dashboard](#) to access real-time data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list = 320518104031401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320518104031401 25S.28E.35.2324

Eddy County, New Mexico

Latitude 32°05'19.0", Longitude 104°03'17.3" NAD83

Land-surface elevation 2,897 feet above NGVD29

The depth of the well is 180 feet below land surface.

This well is completed in the Other aquifers (N999OTHER) national aquifer.

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	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1982-12-08			D	62610		2851.15 NGVD29	1	S	USGS	S	A
1982-12-08			D	62611		2852.71 NAVD88	1	S	USGS	S	A
1982-12-08			D	72019	45.85		1	S	USGS	S	A
1987-10-14			D	62610		2854.99 NGVD29	1	S	USGS	S	A
1987-10-14			D	62611		2856.55 NAVD88	1	S	USGS	S	A
1987-10-14			D	72019	42.01		1	S	USGS	S	A
1998-01-23			D	62610		2843.82 NGVD29	1	S	USGS	S	A
1998-01-23			D	62611		2845.38 NAVD88	1	S	USGS	S	A
1998-01-23			D	72019	53.18		1	S	USGS	S	A
2003-02-10			D	62610		2842.68 NGVD29	1	S	USGS	S	A
2003-02-10			D	62611		2844.24 NAVD88	1	S	USGS	S	A
2003-02-10			D	72019	54.32		1	S	USGS	S	A
2013-01-10	18:00 UTC		m	62610		2842.04 NGVD29	1	S	USGS	S	A
2013-01-10	18:00 UTC		m	62611		2843.60 NAVD88	1	S	USGS	S	A
2013-01-10	18:00 UTC		m	72019	54.96		1	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320518104031401&agency_cd=USGS&format=html)



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2021-05-13 15:25:43 EDT

0.36 0.31 nadswo1

Appendix C



Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-982-1
Laboratory Sample Delivery Group: Eddy Co NM
Client Project/Site: Bon Bon State Com #1H 212C-MD-02419

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

Attn: Clair Gonzales

Authorized for release by:
4/6/2021 3:37:59 PM

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



LINKS

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results through
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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.

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- 8
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- 10
- 11
- 12
- 13
- 14

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Laboratory Job ID: 880-982-1
SDG: Eddy Co NM

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Definitions/Glossary

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

Qualifiers

GC VOA

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

GC Semi VOA

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

Job ID: 880-982-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-982-1

Receipt

The samples were received on 4/1/2021 4:50 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.

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Lab Sample ID: 880-982-1

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/03/21 22:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/03/21 22:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/03/21 22:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/02/21 13:42	04/03/21 22:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/03/21 22:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/02/21 13:42	04/03/21 22:24	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/03/21 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/02/21 13:42	04/03/21 22:24	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/02/21 13:42	04/03/21 22:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		04/02/21 09:33	04/02/21 13:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 13:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 13:18	1
Total TPH	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	04/02/21 09:33	04/02/21 13:18	1
o-Terphenyl	112		70 - 130	04/02/21 09:33	04/02/21 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.45		5.04		mg/Kg			04/05/21 17:42	1

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

Lab Sample ID: 880-982-2

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 22:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 22:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 22:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/02/21 13:42	04/03/21 22:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 22:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/02/21 13:42	04/03/21 22:45	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/02/21 13:42	04/03/21 22:45	1
1,4-Difluorobenzene (Surr)	114		70 - 130	04/02/21 13:42	04/03/21 22:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		04/02/21 09:33	04/02/21 14:22	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Lab Sample ID: 880-982-2

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 14:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 14:22	1
Total TPH	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/02/21 09:33	04/02/21 14:22	1
o-Terphenyl	98		70 - 130				04/02/21 09:33	04/02/21 14:22	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			04/05/21 17:56	1

Client Sample ID: AH-1 (2.5-3)

Lab Sample ID: 880-982-3

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/02/21 13:42	04/03/21 23:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/02/21 13:42	04/03/21 23:05	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				04/02/21 13:42	04/03/21 23:05	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/02/21 13:42	04/03/21 23:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		04/02/21 09:33	04/02/21 14:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 14:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 14:43	1
Total TPH	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/02/21 09:33	04/02/21 14:43	1
o-Terphenyl	108		70 - 130				04/02/21 09:33	04/02/21 14:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			04/05/21 18:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

Client Sample ID: AH-1 (3.5-4)

Lab Sample ID: 880-982-4

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 23:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 23:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 23:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/02/21 13:42	04/03/21 23:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 23:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/02/21 13:42	04/03/21 23:26	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/02/21 13:42	04/03/21 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/02/21 13:42	04/03/21 23:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/02/21 13:42	04/03/21 23:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		04/02/21 09:33	04/02/21 15:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 15:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 15:04	1
Total TPH	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	04/02/21 09:33	04/02/21 15:04	1
o-Terphenyl	122		70 - 130	04/02/21 09:33	04/02/21 15:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.13		5.00		mg/Kg			04/05/21 18:06	1

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

Lab Sample ID: 880-982-9

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/02/21 13:42	04/03/21 23:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/02/21 13:42	04/03/21 23:47	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/03/21 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/02/21 13:42	04/03/21 23:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/02/21 13:42	04/03/21 23:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		04/02/21 09:33	04/02/21 15:25	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-982-9

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 15:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 15:25	1
Total TPH	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				04/02/21 09:33	04/02/21 15:25	1
o-Terphenyl	114		70 - 130				04/02/21 09:33	04/02/21 15:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.8		4.99		mg/Kg			04/05/21 18:11	1

Client Sample ID: AH-3 (1.5-2)

Lab Sample ID: 880-982-10

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/04/21 00:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/04/21 00:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/04/21 00:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/02/21 13:42	04/04/21 00:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/04/21 00:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/02/21 13:42	04/04/21 00:07	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/02/21 13:42	04/04/21 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/02/21 13:42	04/04/21 00:07	1
1,4-Difluorobenzene (Surr)	111		70 - 130				04/02/21 13:42	04/04/21 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		04/02/21 09:33	04/02/21 15:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 15:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 15:47	1
Total TPH	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				04/02/21 09:33	04/02/21 15:47	1
o-Terphenyl	115		70 - 130				04/02/21 09:33	04/02/21 15:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	787		4.99		mg/Kg			04/05/21 18:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-982-11

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/02/21 13:42	04/04/21 00:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/02/21 13:42	04/04/21 00:28	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/02/21 13:42	04/04/21 00:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/02/21 13:42	04/04/21 00:28	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		04/02/21 09:33	04/02/21 16:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 16:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 16:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	04/02/21 09:33	04/02/21 16:08	1
o-Terphenyl	119		70 - 130	04/02/21 09:33	04/02/21 16:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	976		4.99		mg/Kg			04/05/21 18:31	1

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

Lab Sample ID: 880-982-12

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:49	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/02/21 13:42	04/04/21 00:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:49	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/02/21 13:42	04/04/21 00:49	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		04/02/21 13:42	04/04/21 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	04/02/21 13:42	04/04/21 00:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/02/21 13:42	04/04/21 00:49	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	<50.0	U **	50.0		mg/Kg		04/02/21 09:33	04/02/21 16:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-982-12

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 16:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 16:29	1
Total TPH	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				04/02/21 09:33	04/02/21 16:29	1
o-Terphenyl	120		70 - 130				04/02/21 09:33	04/02/21 16:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		5.02		mg/Kg			04/05/21 18:36	1

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

Lab Sample ID: 880-982-13

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/04/21 01:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/04/21 01:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/04/21 01:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/02/21 13:42	04/04/21 01:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/04/21 01:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/02/21 13:42	04/04/21 01:09	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/02/21 13:42	04/04/21 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/02/21 13:42	04/04/21 01:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130				04/02/21 13:42	04/04/21 01:09	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		04/02/21 09:33	04/02/21 16:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 16:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 16:55	1
Total TPH	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/02/21 09:33	04/02/21 16:55	1
o-Terphenyl	110		70 - 130				04/02/21 09:33	04/02/21 16:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.04		mg/Kg			04/05/21 18:41	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

Client Sample ID: AH-4 (1.5-2)

Lab Sample ID: 880-982-14

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:31	1
Ethylbenzene	0.00237		0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/02/21 13:51	04/04/21 06:31	1
o-Xylene	0.00265		0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/02/21 13:51	04/04/21 06:31	1
Total BTEX	0.00502		0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130	04/02/21 13:51	04/04/21 06:31	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/02/21 13:51	04/04/21 06:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		04/02/21 09:33	04/02/21 17:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 17:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 17:17	1
Total TPH	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	04/02/21 09:33	04/02/21 17:17	1
o-Terphenyl	108		70 - 130	04/02/21 09:33	04/02/21 17:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.7		5.05		mg/Kg			04/05/21 18:46	1

Client Sample ID: AH-4 (2.5-3)

Lab Sample ID: 880-982-15

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/02/21 13:51	04/04/21 06:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/02/21 13:51	04/04/21 06:52	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 06:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	04/02/21 13:51	04/04/21 06:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/02/21 13:51	04/04/21 06:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		04/02/21 09:33	04/02/21 17:59	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

Client Sample ID: AH-4 (2.5-3)

Lab Sample ID: 880-982-15

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 17:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 17:59	1
Total TPH	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				04/02/21 09:33	04/02/21 17:59	1
o-Terphenyl	131	S1+	70 - 130				04/02/21 09:33	04/02/21 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.1		4.97		mg/Kg			04/05/21 18:51	1

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

Lab Sample ID: 880-982-16

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 07:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 07:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 07:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/02/21 13:51	04/04/21 07:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 07:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/02/21 13:51	04/04/21 07:12	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 07:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/02/21 13:51	04/04/21 07:12	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/02/21 13:51	04/04/21 07:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U*	49.8		mg/Kg		04/02/21 09:33	04/02/21 18:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 18:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 18:20	1
Total TPH	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				04/02/21 09:33	04/02/21 18:20	1
o-Terphenyl	119		70 - 130				04/02/21 09:33	04/02/21 18:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.75		4.98		mg/Kg			04/05/21 19:05	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-982-17

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 07:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 07:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 07:33	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/02/21 13:51	04/04/21 07:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 07:33	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/02/21 13:51	04/04/21 07:33	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/02/21 13:51	04/04/21 07:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/02/21 13:51	04/04/21 07:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/02/21 13:51	04/04/21 07:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		04/02/21 09:33	04/02/21 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 18:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 18:42	1
Total TPH	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	04/02/21 09:33	04/02/21 18:42	1
o-Terphenyl	105		70 - 130	04/02/21 09:33	04/02/21 18:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.64		4.97		mg/Kg			04/05/21 23:27	1

Client Sample ID: H-2 (0-1)

Lab Sample ID: 880-982-18

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:51	04/04/21 07:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:51	04/04/21 07:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:51	04/04/21 07:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/02/21 13:51	04/04/21 07:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:51	04/04/21 07:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/02/21 13:51	04/04/21 07:53	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/02/21 13:51	04/04/21 07:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/02/21 13:51	04/04/21 07:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/02/21 13:51	04/04/21 07:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		04/02/21 09:33	04/02/21 19:03	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

Client Sample ID: H-2 (0-1)

Lab Sample ID: 880-982-18

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 19:03	1
Total TPH	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				04/02/21 09:33	04/02/21 19:03	1
o-Terphenyl	100		70 - 130				04/02/21 09:33	04/02/21 19:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.43		4.96		mg/Kg			04/05/21 23:42	1

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

Lab Sample ID: 880-982-19

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/02/21 13:51	04/04/21 08:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/02/21 13:51	04/04/21 08:13	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/02/21 13:51	04/04/21 08:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/02/21 13:51	04/04/21 08:13	1

Method: 8015B 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		04/02/21 09:33	04/02/21 19:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/02/21 09:33	04/02/21 19:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/02/21 09:33	04/02/21 19:24	1
Total TPH	<50.1	U	50.1		mg/Kg		04/02/21 09:33	04/02/21 19:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/02/21 09:33	04/02/21 19:24	1
o-Terphenyl	97		70 - 130				04/02/21 09:33	04/02/21 19:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.2		5.00		mg/Kg			04/04/21 00:50	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

Client Sample ID: H-4 (0-1)

Lab Sample ID: 880-982-20

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/02/21 13:51	04/04/21 08:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/02/21 13:51	04/04/21 08:34	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/02/21 13:51	04/04/21 08:34	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/02/21 13:51	04/04/21 08:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		04/02/21 09:33	04/02/21 19:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 19:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 19:45	1
Total TPH	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	04/02/21 09:33	04/02/21 19:45	1
o-Terphenyl	121		70 - 130	04/02/21 09:33	04/02/21 19:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			04/04/21 01:06	1

Client Sample ID: H-5 (0-1)

Lab Sample ID: 880-982-21

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/02/21 13:51	04/04/21 08:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/02/21 13:51	04/04/21 08:54	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 08:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	04/02/21 13:51	04/04/21 08:54	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/02/21 13:51	04/04/21 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		04/02/21 09:33	04/02/21 20:06	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

Client Sample ID: H-5 (0-1)

Lab Sample ID: 880-982-21

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 20:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 20:06	1
Total TPH	<49.8	U	49.8		mg/Kg		04/02/21 09:33	04/02/21 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/02/21 09:33	04/02/21 20:06	1
o-Terphenyl	101		70 - 130				04/02/21 09:33	04/02/21 20:06	1

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			04/04/21 01:12	1

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

Lab Sample ID: 880-982-22

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 09:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 09:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 09:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/02/21 13:51	04/04/21 09:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 09:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/02/21 13:51	04/04/21 09:15	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 09:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/02/21 13:51	04/04/21 09:15	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/02/21 13:51	04/04/21 09:15	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		04/02/21 09:33	04/02/21 20:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 20:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 20:27	1
Total TPH	<49.9	U	49.9		mg/Kg		04/02/21 09:33	04/02/21 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/02/21 09:33	04/02/21 20:27	1
o-Terphenyl	95		70 - 130				04/02/21 09:33	04/02/21 20:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			04/04/21 01:17	1

Eurofins Xenco, Midland

Surrogate Summary

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-982-1	AH-1 (0-1)	103	111
880-982-2	AH-1 (1.5-2)	108	114
880-982-3	AH-1 (2.5-3)	99	96
880-982-4	AH-1 (3.5-4)	95	100
880-982-9	AH-3 (0-1)	103	109
880-982-10	AH-3 (1.5-2)	106	111
880-982-11	AH-3 (2.5-3)	108	97
880-982-12	AH-3 (3.5-4)	98	101
880-982-13	AH-4 (0-1)	109	105
880-982-14	AH-4 (1.5-2)	161 S1+	92
880-982-14 MS	AH-4 (1.5-2)	105	101
880-982-14 MSD	AH-4 (1.5-2)	105	99
880-982-15	AH-4 (2.5-3)	117	99
880-982-16	AH-4 (3.5-4)	116	101
880-982-17	H-1 (0-1)	114	100
880-982-18	H-2 (0-1)	109	102
880-982-19	H-3 (0-1)	112	98
880-982-20	H-4 (0-1)	111	99
880-982-21	H-5 (0-1)	113	102
880-982-22	H-6 (0-1)	114	101
LCS 880-1248/1-A	Lab Control Sample	97	115
LCS 880-1250/1-A	Lab Control Sample	102	98
LCS 880-1248/2-A	Lab Control Sample Dup	88	96
LCS 880-1250/2-A	Lab Control Sample Dup	101	99
MB 880-1212/5-A	Method Blank	115	94
MB 880-1239/73	Method Blank	117	100
MB 880-1250/5-A	Method Blank	106	96
MB 880-1284/5-A	Method Blank	106	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-982-1	AH-1 (0-1)	109	112
880-982-1 MS	AH-1 (0-1)	111	102
880-982-1 MSD	AH-1 (0-1)	112	96
880-982-2	AH-1 (1.5-2)	103	98
880-982-3	AH-1 (2.5-3)	105	108
880-982-4	AH-1 (3.5-4)	124	122
880-982-9	AH-3 (0-1)	110	114
880-982-10	AH-3 (1.5-2)	110	115
880-982-11	AH-3 (2.5-3)	112	119
880-982-12	AH-3 (3.5-4)	114	120
880-982-13	AH-4 (0-1)	104	110

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Surrogate Summary

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-982-14	AH-4 (1.5-2)	103	108
880-982-15	AH-4 (2.5-3)	127	131 S1+
880-982-16	AH-4 (3.5-4)	112	119
880-982-17	H-1 (0-1)	104	105
880-982-18	H-2 (0-1)	100	100
880-982-19	H-3 (0-1)	104	97
880-982-20	H-4 (0-1)	118	121
880-982-21	H-5 (0-1)	105	101
880-982-22	H-6 (0-1)	97	95
LCS 880-1228/2-A	Lab Control Sample	116	114
LCSD 880-1228/3-A	Lab Control Sample Dup	117	114
MB 880-1228/1-A	Method Blank	109	119

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

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

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1212/5-A
 Matrix: Solid
 Analysis Batch: 1239

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1212

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/21 16:39	04/03/21 06:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/01/21 16:39	04/03/21 06:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/21 16:39	04/03/21 06:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/01/21 16:39	04/03/21 06:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/21 16:39	04/03/21 06:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/01/21 16:39	04/03/21 06:13	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/01/21 16:39	04/03/21 06:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	115		70 - 130	04/01/21 16:39	04/03/21 06:13	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/01/21 16:39	04/03/21 06:13	1

Lab Sample ID: MB 880-1239/73
 Matrix: Solid
 Analysis Batch: 1239

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg			04/03/21 17:12	1
Toluene	<0.00200	U	0.00200		mg/Kg			04/03/21 17:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			04/03/21 17:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			04/03/21 17:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			04/03/21 17:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			04/03/21 17:12	1
Total BTEX	<0.00200	U	0.00200		mg/Kg			04/03/21 17:12	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	117		70 - 130		04/03/21 17:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130		04/03/21 17:12	1

Lab Sample ID: LCS 880-1248/1-A
 Matrix: Solid
 Analysis Batch: 1239

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.1084		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2094		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1040		mg/Kg		104	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Lab Sample ID: LCSD 880-1248/2-A
 Matrix: Solid
 Analysis Batch: 1239

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 1248

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Benzene	0.100	0.09489		mg/Kg		95	70 - 130	15	35
Toluene	0.100	0.09916		mg/Kg		99	70 - 130	9	35
Ethylbenzene	0.100	0.09331		mg/Kg		93	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1859		mg/Kg		93	70 - 130	12	35
o-Xylene	0.100	0.09199		mg/Kg		92	70 - 130	12	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-1250/5-A
 Matrix: Solid
 Analysis Batch: 1285

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1250

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 06:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 06:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 06:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/02/21 13:51	04/04/21 06:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 06:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/02/21 13:51	04/04/21 06:02	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/02/21 13:51	04/04/21 06:02	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	106		70 - 130	04/02/21 13:51	04/04/21 06:02	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/02/21 13:51	04/04/21 06:02	1

Lab Sample ID: LCS 880-1250/1-A
 Matrix: Solid
 Analysis Batch: 1285

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.1003		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1046		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2104		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1069		mg/Kg		107	70 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-1250/2-A
 Matrix: Solid
 Analysis Batch: 1285

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 1250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1002		mg/Kg		100	70 - 130	2	35

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Lab Sample ID: LCSD 880-1250/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 1285

Prep Batch: 1250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1018		mg/Kg		102	70 - 130	1	35	
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.2165		mg/Kg		108	70 - 130	3	35	
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130	1	35	

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

Lab Sample ID: 880-982-14 MS

Client Sample ID: AH-4 (1.5-2)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 1285

Prep Batch: 1250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Benzene	<0.00198	U	0.0998	0.09540		mg/Kg		94	70 - 130	
Toluene	<0.00198	U	0.0998	0.09575		mg/Kg		95	70 - 130	
Ethylbenzene	0.00237		0.0998	0.09942		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2013		mg/Kg		101	70 - 130	
o-Xylene	0.00265		0.0998	0.09765		mg/Kg		95	70 - 130	

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

Lab Sample ID: 880-982-14 MSD

Client Sample ID: AH-4 (1.5-2)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 1285

Prep Batch: 1250

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
									Limits	RPD		
Benzene	<0.00198	U	0.0996	0.09683		mg/Kg		96	70 - 130	1	35	
Toluene	<0.00198	U	0.0996	0.09581		mg/Kg		96	70 - 130	0	35	
Ethylbenzene	0.00237		0.0996	0.09944		mg/Kg		97	70 - 130	0	35	
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1999		mg/Kg		100	70 - 130	1	35	
o-Xylene	0.00265		0.0996	0.09659		mg/Kg		94	70 - 130	1	35	

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

Lab Sample ID: MB 880-1284/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 1285

Prep Batch: 1284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
							Time	Date	Time	Date	
Benzene	<0.00200	U	0.00200		mg/Kg		04/03/21 13:57	04/03/21 18:01	04/03/21 18:01	1	
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/21 13:57	04/03/21 18:01	04/03/21 18:01	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/21 13:57	04/03/21 18:01	04/03/21 18:01	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/03/21 13:57	04/03/21 18:01	04/03/21 18:01	1	

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Lab Sample ID: MB 880-1284/5-A
 Matrix: Solid
 Analysis Batch: 1285

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1284

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/21 13:57	04/03/21 18:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/03/21 13:57	04/03/21 18:01	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/03/21 13:57	04/03/21 18:01	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	106		70 - 130	04/03/21 13:57	04/03/21 18:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/03/21 13:57	04/03/21 18:01	1

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

Lab Sample ID: MB 880-1228/1-A
 Matrix: Solid
 Analysis Batch: 1237

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1228

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 12:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 12:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 12:15	1
Total TPH	<50.0	U	50.0		mg/Kg		04/02/21 09:33	04/02/21 12:15	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	109		70 - 130	04/02/21 09:33	04/02/21 12:15	1
o-Terphenyl	119		70 - 130	04/02/21 09:33	04/02/21 12:15	1

Lab Sample ID: LCS 880-1228/2-A
 Matrix: Solid
 Analysis Batch: 1237

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	1000	1084		mg/Kg		108	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	116		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-1228/3-A
 Matrix: Solid
 Analysis Batch: 1237

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 1228

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	6	20

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Lab Sample ID: LCSD 880-1228/3-A
 Matrix: Solid
 Analysis Batch: 1237

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 1228

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	117		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 880-982-1 MS
 Matrix: Solid
 Analysis Batch: 1237

Client Sample ID: AH-1 (0-1)
 Prep Type: Total/NA
 Prep Batch: 1228

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	1000	1159		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1151		mg/Kg		113	70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	111		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-982-1 MSD
 Matrix: Solid
 Analysis Batch: 1237

Client Sample ID: AH-1 (0-1)
 Prep Type: Total/NA
 Prep Batch: 1228

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	998	1174		mg/Kg		115	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1119		mg/Kg		110	70 - 130	3	20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	96		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1259/1-A
 Matrix: Solid
 Analysis Batch: 1279

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			04/04/21 00:33	1

Lab Sample ID: LCS 880-1259/2-A
 Matrix: Solid
 Analysis Batch: 1279

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Chloride	250	266.9		mg/Kg		107	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-1259/3-A
 Matrix: Solid
 Analysis Batch: 1279

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	266.8		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-982-19 MS
 Matrix: Solid
 Analysis Batch: 1279

Client Sample ID: H-3 (0-1)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	21.2		250	295.5		mg/Kg		110	90 - 110

Lab Sample ID: 880-982-19 MSD
 Matrix: Solid
 Analysis Batch: 1279

Client Sample ID: H-3 (0-1)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	21.2		250	296.2		mg/Kg		110	90 - 110	0	20

Lab Sample ID: MB 880-1316/1-A
 Matrix: Solid
 Analysis Batch: 1331

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			04/05/21 17:27	1

Lab Sample ID: LCS 880-1316/2-A
 Matrix: Solid
 Analysis Batch: 1331

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.4		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-1316/3-A
 Matrix: Solid
 Analysis Batch: 1331

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	254.7		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-982-1 MS
 Matrix: Solid
 Analysis Batch: 1331

Client Sample ID: AH-1 (0-1)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9.45		252	272.4		mg/Kg		104	90 - 110

Lab Sample ID: 880-982-1 MSD
 Matrix: Solid
 Analysis Batch: 1331

Client Sample ID: AH-1 (0-1)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.45		252	272.8		mg/Kg		105	90 - 110	0	20

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-982-15 MS
Matrix: Solid
Analysis Batch: 1331

Client Sample ID: AH-4 (2.5-3)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	21.1		249	286.4		mg/Kg		107	90 - 110

Lab Sample ID: 880-982-15 MSD
Matrix: Solid
Analysis Batch: 1331

Client Sample ID: AH-4 (2.5-3)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	21.1		249	286.9		mg/Kg		107	90 - 110	0	20

Lab Sample ID: MB 880-1327/1-A
Matrix: Solid
Analysis Batch: 1353

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			04/05/21 23:12	1

Lab Sample ID: LCS 880-1327/2-A
Matrix: Solid
Analysis Batch: 1353

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

Lab Sample ID: LCSD 880-1327/3-A
Matrix: Solid
Analysis Batch: 1353

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	255.7		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-982-17 MS
Matrix: Solid
Analysis Batch: 1353

Client Sample ID: H-1 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9.64		249	271.8		mg/Kg		105	90 - 110

Lab Sample ID: 880-982-17 MSD
Matrix: Solid
Analysis Batch: 1353

Client Sample ID: H-1 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.64		249	272.1		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

GC VOA

Prep Batch: 1212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1212/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 1239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-1	AH-1 (0-1)	Total/NA	Solid	8021B	1248
880-982-2	AH-1 (1.5-2)	Total/NA	Solid	8021B	1248
880-982-3	AH-1 (2.5-3)	Total/NA	Solid	8021B	1248
880-982-4	AH-1 (3.5-4)	Total/NA	Solid	8021B	1248
880-982-9	AH-3 (0-1)	Total/NA	Solid	8021B	1248
880-982-10	AH-3 (1.5-2)	Total/NA	Solid	8021B	1248
880-982-11	AH-3 (2.5-3)	Total/NA	Solid	8021B	1248
880-982-12	AH-3 (3.5-4)	Total/NA	Solid	8021B	1248
880-982-13	AH-4 (0-1)	Total/NA	Solid	8021B	1248
MB 880-1212/5-A	Method Blank	Total/NA	Solid	8021B	1212
MB 880-1239/73	Method Blank	Total/NA	Solid	8021B	
LCS 880-1248/1-A	Lab Control Sample	Total/NA	Solid	8021B	1248
LCSD 880-1248/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1248

Prep Batch: 1248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-1	AH-1 (0-1)	Total/NA	Solid	5035	
880-982-2	AH-1 (1.5-2)	Total/NA	Solid	5035	
880-982-3	AH-1 (2.5-3)	Total/NA	Solid	5035	
880-982-4	AH-1 (3.5-4)	Total/NA	Solid	5035	
880-982-9	AH-3 (0-1)	Total/NA	Solid	5035	
880-982-10	AH-3 (1.5-2)	Total/NA	Solid	5035	
880-982-11	AH-3 (2.5-3)	Total/NA	Solid	5035	
880-982-12	AH-3 (3.5-4)	Total/NA	Solid	5035	
880-982-13	AH-4 (0-1)	Total/NA	Solid	5035	
LCS 880-1248/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1248/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 1250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-14	AH-4 (1.5-2)	Total/NA	Solid	5035	
880-982-15	AH-4 (2.5-3)	Total/NA	Solid	5035	
880-982-16	AH-4 (3.5-4)	Total/NA	Solid	5035	
880-982-17	H-1 (0-1)	Total/NA	Solid	5035	
880-982-18	H-2 (0-1)	Total/NA	Solid	5035	
880-982-19	H-3 (0-1)	Total/NA	Solid	5035	
880-982-20	H-4 (0-1)	Total/NA	Solid	5035	
880-982-21	H-5 (0-1)	Total/NA	Solid	5035	
880-982-22	H-6 (0-1)	Total/NA	Solid	5035	
MB 880-1250/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1250/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1250/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-982-14 MS	AH-4 (1.5-2)	Total/NA	Solid	5035	
880-982-14 MSD	AH-4 (1.5-2)	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

GC VOA

Prep Batch: 1284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1284/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 1285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-14	AH-4 (1.5-2)	Total/NA	Solid	8021B	1250
880-982-15	AH-4 (2.5-3)	Total/NA	Solid	8021B	1250
880-982-16	AH-4 (3.5-4)	Total/NA	Solid	8021B	1250
880-982-17	H-1 (0-1)	Total/NA	Solid	8021B	1250
880-982-18	H-2 (0-1)	Total/NA	Solid	8021B	1250
880-982-19	H-3 (0-1)	Total/NA	Solid	8021B	1250
880-982-20	H-4 (0-1)	Total/NA	Solid	8021B	1250
880-982-21	H-5 (0-1)	Total/NA	Solid	8021B	1250
880-982-22	H-6 (0-1)	Total/NA	Solid	8021B	1250
MB 880-1250/5-A	Method Blank	Total/NA	Solid	8021B	1250
MB 880-1284/5-A	Method Blank	Total/NA	Solid	8021B	1284
LCS 880-1250/1-A	Lab Control Sample	Total/NA	Solid	8021B	1250
LCSD 880-1250/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1250
880-982-14 MS	AH-4 (1.5-2)	Total/NA	Solid	8021B	1250
880-982-14 MSD	AH-4 (1.5-2)	Total/NA	Solid	8021B	1250

GC Semi VOA

Prep Batch: 1228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-1	AH-1 (0-1)	Total/NA	Solid	8015NM Prep	
880-982-2	AH-1 (1.5-2)	Total/NA	Solid	8015NM Prep	
880-982-3	AH-1 (2.5-3)	Total/NA	Solid	8015NM Prep	
880-982-4	AH-1 (3.5-4)	Total/NA	Solid	8015NM Prep	
880-982-9	AH-3 (0-1)	Total/NA	Solid	8015NM Prep	
880-982-10	AH-3 (1.5-2)	Total/NA	Solid	8015NM Prep	
880-982-11	AH-3 (2.5-3)	Total/NA	Solid	8015NM Prep	
880-982-12	AH-3 (3.5-4)	Total/NA	Solid	8015NM Prep	
880-982-13	AH-4 (0-1)	Total/NA	Solid	8015NM Prep	
880-982-14	AH-4 (1.5-2)	Total/NA	Solid	8015NM Prep	
880-982-15	AH-4 (2.5-3)	Total/NA	Solid	8015NM Prep	
880-982-16	AH-4 (3.5-4)	Total/NA	Solid	8015NM Prep	
880-982-17	H-1 (0-1)	Total/NA	Solid	8015NM Prep	
880-982-18	H-2 (0-1)	Total/NA	Solid	8015NM Prep	
880-982-19	H-3 (0-1)	Total/NA	Solid	8015NM Prep	
880-982-20	H-4 (0-1)	Total/NA	Solid	8015NM Prep	
880-982-21	H-5 (0-1)	Total/NA	Solid	8015NM Prep	
880-982-22	H-6 (0-1)	Total/NA	Solid	8015NM Prep	
MB 880-1228/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1228/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1228/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-982-1 MS	AH-1 (0-1)	Total/NA	Solid	8015NM Prep	
880-982-1 MSD	AH-1 (0-1)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-1	AH-1 (0-1)	Total/NA	Solid	8015B NM	1228

Eurofins Xenco, Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

GC Semi VOA (Continued)

Analysis Batch: 1237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-2	AH-1 (1.5-2)	Total/NA	Solid	8015B NM	1228
880-982-3	AH-1 (2.5-3)	Total/NA	Solid	8015B NM	1228
880-982-4	AH-1 (3.5-4)	Total/NA	Solid	8015B NM	1228
880-982-9	AH-3 (0-1)	Total/NA	Solid	8015B NM	1228
880-982-10	AH-3 (1.5-2)	Total/NA	Solid	8015B NM	1228
880-982-11	AH-3 (2.5-3)	Total/NA	Solid	8015B NM	1228
880-982-12	AH-3 (3.5-4)	Total/NA	Solid	8015B NM	1228
880-982-13	AH-4 (0-1)	Total/NA	Solid	8015B NM	1228
880-982-14	AH-4 (1.5-2)	Total/NA	Solid	8015B NM	1228
880-982-15	AH-4 (2.5-3)	Total/NA	Solid	8015B NM	1228
880-982-16	AH-4 (3.5-4)	Total/NA	Solid	8015B NM	1228
880-982-17	H-1 (0-1)	Total/NA	Solid	8015B NM	1228
880-982-18	H-2 (0-1)	Total/NA	Solid	8015B NM	1228
880-982-19	H-3 (0-1)	Total/NA	Solid	8015B NM	1228
880-982-20	H-4 (0-1)	Total/NA	Solid	8015B NM	1228
880-982-21	H-5 (0-1)	Total/NA	Solid	8015B NM	1228
880-982-22	H-6 (0-1)	Total/NA	Solid	8015B NM	1228
MB 880-1228/1-A	Method Blank	Total/NA	Solid	8015B NM	1228
LCS 880-1228/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1228
LCSD 880-1228/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1228
880-982-1 MS	AH-1 (0-1)	Total/NA	Solid	8015B NM	1228
880-982-1 MSD	AH-1 (0-1)	Total/NA	Solid	8015B NM	1228

HPLC/IC

Leach Batch: 1259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-19	H-3 (0-1)	Soluble	Solid	DI Leach	
880-982-20	H-4 (0-1)	Soluble	Solid	DI Leach	
880-982-21	H-5 (0-1)	Soluble	Solid	DI Leach	
880-982-22	H-6 (0-1)	Soluble	Solid	DI Leach	
MB 880-1259/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1259/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1259/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-982-19 MS	H-3 (0-1)	Soluble	Solid	DI Leach	
880-982-19 MSD	H-3 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 1279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-19	H-3 (0-1)	Soluble	Solid	300.0	1259
880-982-20	H-4 (0-1)	Soluble	Solid	300.0	1259
880-982-21	H-5 (0-1)	Soluble	Solid	300.0	1259
880-982-22	H-6 (0-1)	Soluble	Solid	300.0	1259
MB 880-1259/1-A	Method Blank	Soluble	Solid	300.0	1259
LCS 880-1259/2-A	Lab Control Sample	Soluble	Solid	300.0	1259
LCSD 880-1259/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1259
880-982-19 MS	H-3 (0-1)	Soluble	Solid	300.0	1259
880-982-19 MSD	H-3 (0-1)	Soluble	Solid	300.0	1259

Eurofins Xenco, Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

HPLC/IC

Leach Batch: 1316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-1	AH-1 (0-1)	Soluble	Solid	DI Leach	
880-982-2	AH-1 (1.5-2)	Soluble	Solid	DI Leach	
880-982-3	AH-1 (2.5-3)	Soluble	Solid	DI Leach	
880-982-4	AH-1 (3.5-4)	Soluble	Solid	DI Leach	
880-982-9	AH-3 (0-1)	Soluble	Solid	DI Leach	
880-982-10	AH-3 (1.5-2)	Soluble	Solid	DI Leach	
880-982-11	AH-3 (2.5-3)	Soluble	Solid	DI Leach	
880-982-12	AH-3 (3.5-4)	Soluble	Solid	DI Leach	
880-982-13	AH-4 (0-1)	Soluble	Solid	DI Leach	
880-982-14	AH-4 (1.5-2)	Soluble	Solid	DI Leach	
880-982-15	AH-4 (2.5-3)	Soluble	Solid	DI Leach	
880-982-16	AH-4 (3.5-4)	Soluble	Solid	DI Leach	
MB 880-1316/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1316/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1316/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-982-1 MS	AH-1 (0-1)	Soluble	Solid	DI Leach	
880-982-1 MSD	AH-1 (0-1)	Soluble	Solid	DI Leach	
880-982-15 MS	AH-4 (2.5-3)	Soluble	Solid	DI Leach	
880-982-15 MSD	AH-4 (2.5-3)	Soluble	Solid	DI Leach	

Leach Batch: 1327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-17	H-1 (0-1)	Soluble	Solid	DI Leach	
880-982-18	H-2 (0-1)	Soluble	Solid	DI Leach	
MB 880-1327/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1327/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1327/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-982-17 MS	H-1 (0-1)	Soluble	Solid	DI Leach	
880-982-17 MSD	H-1 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 1331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-1	AH-1 (0-1)	Soluble	Solid	300.0	1316
880-982-2	AH-1 (1.5-2)	Soluble	Solid	300.0	1316
880-982-3	AH-1 (2.5-3)	Soluble	Solid	300.0	1316
880-982-4	AH-1 (3.5-4)	Soluble	Solid	300.0	1316
880-982-9	AH-3 (0-1)	Soluble	Solid	300.0	1316
880-982-10	AH-3 (1.5-2)	Soluble	Solid	300.0	1316
880-982-11	AH-3 (2.5-3)	Soluble	Solid	300.0	1316
880-982-12	AH-3 (3.5-4)	Soluble	Solid	300.0	1316
880-982-13	AH-4 (0-1)	Soluble	Solid	300.0	1316
880-982-14	AH-4 (1.5-2)	Soluble	Solid	300.0	1316
880-982-15	AH-4 (2.5-3)	Soluble	Solid	300.0	1316
880-982-16	AH-4 (3.5-4)	Soluble	Solid	300.0	1316
MB 880-1316/1-A	Method Blank	Soluble	Solid	300.0	1316
LCS 880-1316/2-A	Lab Control Sample	Soluble	Solid	300.0	1316
LCSD 880-1316/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1316
880-982-1 MS	AH-1 (0-1)	Soluble	Solid	300.0	1316
880-982-1 MSD	AH-1 (0-1)	Soluble	Solid	300.0	1316
880-982-15 MS	AH-4 (2.5-3)	Soluble	Solid	300.0	1316
880-982-15 MSD	AH-4 (2.5-3)	Soluble	Solid	300.0	1316

Eurofins Xenco, Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

HPLC/IC

Analysis Batch: 1353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-982-17	H-1 (0-1)	Soluble	Solid	300.0	1327
880-982-18	H-2 (0-1)	Soluble	Solid	300.0	1327
MB 880-1327/1-A	Method Blank	Soluble	Solid	300.0	1327
LCS 880-1327/2-A	Lab Control Sample	Soluble	Solid	300.0	1327
LCSD 880-1327/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1327
880-982-17 MS	H-1 (0-1)	Soluble	Solid	300.0	1327
880-982-17 MSD	H-1 (0-1)	Soluble	Solid	300.0	1327

- 1
- 2
- 3
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- 11
- 12
- 13
- 14

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Lab Sample ID: 880-982-1

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1248	04/02/21 13:42	KL	XM
Total/NA	Analysis	8021B		1	1239	04/03/21 22:24	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 13:18	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 17:42	CH	XM

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

Lab Sample ID: 880-982-2

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1248	04/02/21 13:42	KL	XM
Total/NA	Analysis	8021B		1	1239	04/03/21 22:45	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 14:22	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 17:56	CH	XM

Client Sample ID: AH-1 (2.5-3)

Lab Sample ID: 880-982-3

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1248	04/02/21 13:42	KL	XM
Total/NA	Analysis	8021B		1	1239	04/03/21 23:05	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 14:43	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 18:01	CH	XM

Client Sample ID: AH-1 (3.5-4)

Lab Sample ID: 880-982-4

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1248	04/02/21 13:42	KL	XM
Total/NA	Analysis	8021B		1	1239	04/03/21 23:26	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 15:04	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 18:06	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-982-9

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1248	04/02/21 13:42	KL	XM
Total/NA	Analysis	8021B		1	1239	04/03/21 23:47	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 15:25	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 18:11	CH	XM

Client Sample ID: AH-3 (1.5-2)

Lab Sample ID: 880-982-10

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1248	04/02/21 13:42	KL	XM
Total/NA	Analysis	8021B		1	1239	04/04/21 00:07	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 15:47	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 18:26	CH	XM

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

Lab Sample ID: 880-982-11

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1248	04/02/21 13:42	KL	XM
Total/NA	Analysis	8021B		1	1239	04/04/21 00:28	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 16:08	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 18:31	CH	XM

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

Lab Sample ID: 880-982-12

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1248	04/02/21 13:42	KL	XM
Total/NA	Analysis	8021B		1	1239	04/04/21 00:49	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 16:29	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 18:36	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Lab Sample ID: 880-982-13

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1248	04/02/21 13:42	KL	XM
Total/NA	Analysis	8021B		1	1239	04/04/21 01:09	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 16:55	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 18:41	CH	XM

Client Sample ID: AH-4 (1.5-2)

Lab Sample ID: 880-982-14

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1250	04/02/21 13:51	KL	XM
Total/NA	Analysis	8021B		1	1285	04/04/21 06:31	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 17:17	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 18:46	CH	XM

Client Sample ID: AH-4 (2.5-3)

Lab Sample ID: 880-982-15

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1250	04/02/21 13:51	KL	XM
Total/NA	Analysis	8021B		1	1285	04/04/21 06:52	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 17:59	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 18:51	CH	XM

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

Lab Sample ID: 880-982-16

Date Collected: 03/26/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1250	04/02/21 13:51	KL	XM
Total/NA	Analysis	8021B		1	1285	04/04/21 07:12	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 18:20	AJ	XM
Soluble	Leach	DI Leach			1316	04/05/21 12:04	SC	XM
Soluble	Analysis	300.0		1	1331	04/05/21 19:05	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

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

Lab Sample ID: 880-982-17

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1250	04/02/21 13:51	KL	XM
Total/NA	Analysis	8021B		1	1285	04/04/21 07:33	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 18:42	AJ	XM
Soluble	Leach	DI Leach			1327	04/05/21 13:05	SC	XM
Soluble	Analysis	300.0		1	1353	04/05/21 23:27	CH	XM

Client Sample ID: H-2 (0-1)

Lab Sample ID: 880-982-18

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1250	04/02/21 13:51	KL	XM
Total/NA	Analysis	8021B		1	1285	04/04/21 07:53	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 19:03	AJ	XM
Soluble	Leach	DI Leach			1327	04/05/21 13:05	SC	XM
Soluble	Analysis	300.0		1	1353	04/05/21 23:42	CH	XM

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

Lab Sample ID: 880-982-19

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1250	04/02/21 13:51	KL	XM
Total/NA	Analysis	8021B		1	1285	04/04/21 08:13	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 19:24	AJ	XM
Soluble	Leach	DI Leach			1259	04/02/21 15:06	SC	XM
Soluble	Analysis	300.0		1	1279	04/04/21 00:50	CH	XM

Client Sample ID: H-4 (0-1)

Lab Sample ID: 880-982-20

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1250	04/02/21 13:51	KL	XM
Total/NA	Analysis	8021B		1	1285	04/04/21 08:34	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 19:45	AJ	XM
Soluble	Leach	DI Leach			1259	04/02/21 15:06	SC	XM
Soluble	Analysis	300.0		1	1279	04/04/21 01:06	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
 SDG: Eddy Co NM

Client Sample ID: H-5 (0-1)

Lab Sample ID: 880-982-21

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1250	04/02/21 13:51	KL	XM
Total/NA	Analysis	8021B		1	1285	04/04/21 08:54	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 20:06	AJ	XM
Soluble	Leach	DI Leach			1259	04/02/21 15:06	SC	XM
Soluble	Analysis	300.0		1	1279	04/04/21 01:12	CH	XM

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

Lab Sample ID: 880-982-22

Date Collected: 03/29/21 00:00

Matrix: Solid

Date Received: 04/01/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1250	04/02/21 13:51	KL	XM
Total/NA	Analysis	8021B		1	1285	04/04/21 09:15	KL	XM
Total/NA	Prep	8015NM Prep			1228	04/02/21 09:33	DM	XM
Total/NA	Analysis	8015B NM		1	1237	04/02/21 20:27	AJ	XM
Soluble	Leach	DI Leach			1259	04/02/21 15:06	SC	XM
Soluble	Analysis	300.0		1	1279	04/04/21 01:17	CH	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

Laboratory: Eurofins Xenco, Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

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Method Summary

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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



Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Bon Bon State Com #1H 212C-MD-02419

Job ID: 880-982-1
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-982-1	AH-1 (0-1)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-2	AH-1 (1.5-2)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-3	AH-1 (2.5-3)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-4	AH-1 (3.5-4)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-9	AH-3 (0-1)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-10	AH-3 (1.5-2)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-11	AH-3 (2.5-3)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-12	AH-3 (3.5-4)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-13	AH-4 (0-1)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-14	AH-4 (1.5-2)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-15	AH-4 (2.5-3)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-16	AH-4 (3.5-4)	Solid	03/26/21 00:00	04/01/21 16:50	
880-982-17	H-1 (0-1)	Solid	03/29/21 00:00	04/01/21 16:50	
880-982-18	H-2 (0-1)	Solid	03/29/21 00:00	04/01/21 16:50	
880-982-19	H-3 (0-1)	Solid	03/29/21 00:00	04/01/21 16:50	
880-982-20	H-4 (0-1)	Solid	03/29/21 00:00	04/01/21 16:50	
880-982-21	H-5 (0-1)	Solid	03/29/21 00:00	04/01/21 16:50	
880-982-22	H-6 (0-1)	Solid	03/29/21 00:00	04/01/21 16:50	

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste 401
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

880-982 Chain of Custody



ANALYSIS REQUEST

(Circle or Specify Method No.)

ESG-982

Client Name: **Bon Bon State Com #1H**
 Site Manager: **Paula Tocora Alonso**
 Project Name: **Bon Bon State Com #1H**
 Project #: **212C-MD-02419**
 Project Location (county, state): **Eddy Co, NM**
 Invoice to: **EOG - Attn: James Kennedy**
 Receiving Laboratory: **EOG - Attn: James Kennedy**
 Sampler Signature: **Adrian Garcia**
 Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
AH-1 (0-1)		3/26/2021		X				1	
AH-1 (1-5-2)		3/26/2021		X				1	
AH-1 (2-5-3)		3/26/2021		X				1	
AH-1 (3-5-4)		3/26/2021		X				1	
AH-2 (0-1)		3/26/2021		X				1	
AH-2 (1-5-2)		3/26/2021		X				1	
AH-2 (2-5-3)		3/26/2021		X				1	
AH-2 (3-5-4)		3/26/2021		X				1	
AH-3 (0-1)		3/26/2021		X				1	
AH-3 (1-5-2)		3/26/2021		X				1	

Received by: *Paula Alonso* Date: *4/1/21* Time: *16:50*
 Relinquished by: *CEL* Date: *4/1/21* Time: *16:49*

LAB USE ONLY: RUSH Same Day 24 hr 48 hr 72 hr

REMARKS: Push Charges Authorized
 Special Report Limits or TRRP Report

Sample Temperature: *4.7*

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste 401
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

580-982

Client Name: **Bon Bon State Corn #1H** Site Manager: **Paula Tocoora Alonso**

Project Name: **Bon Bon State Corn #1H** Project #: **212C-MD-02419**

Project Location (country, state): **Eddy Co, NM** Invoice to: **EOG- Attn: James Kennedy**

Receiving Laboratory: **EOG- Attn: James Kennedy** Sampler Signature: **Adrian Garcia**

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX				PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE				
AH-3	(2-5-3)		3/26/2021		X				X			1	X
AH-3	(3-5-4)		3/26/2021		X				X			1	X
AH-4	(0-1)		3/26/2021										
AH-4	(1-5-2)		3/26/2021										
AH-4	(2-5-3)		3/26/2021										
AH-4	(3-5-4)		3/26/2021										
H-1	(0-1)		3/29/2021		X				X			1	X
H-2	(0-1)		3/29/2021		X				X			1	X
H-3	(0-1)		3/29/2021		X				X			1	X
H-4	(0-1)		3/29/2021		X				X			1	X

Relinquished by: *[Signature]* Date: **4/1/21** Time: **1649** Received by: *[Signature]* Date: **4/1/21** Time: **16:50**

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

LAB USE ONLY

Sample Temperature: **4.7**

REMARKS:

RUSH Same Day 24 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

72 hr

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-982-1

SDG Number: Eddy Co NM

Login Number: 982

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Missing AH-2 samples
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No date or time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-1996-1
Laboratory Sample Delivery Group: Eddy County NM
Client Project/Site: EOG - Bon Bon State Fed Com #1

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

Attn: Clair Gonzales

Authorized for release by:
5/11/2021 4:02:11 PM

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



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

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

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Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Laboratory Job ID: 880-1996-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

Job ID: 880-1996-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1996-1

Receipt

The samples were received on 5/10/2021 10:40 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 4.9°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.

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

Client Sample ID: SW-1

Lab Sample ID: 880-1996-1

Date Collected: 05/07/21 10:00

Matrix: Solid

Date Received: 05/10/21 10:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 20:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 20:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 20:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/21 11:05	05/10/21 20:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 20:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/21 11:05	05/10/21 20:50	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/10/21 11:05	05/10/21 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/10/21 11:05	05/10/21 20:50	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/10/21 11:05	05/10/21 20:50	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		05/10/21 11:09	05/10/21 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 19:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 19:06	1
Total TPH	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	05/10/21 11:09	05/10/21 19:06	1
o-Terphenyl	113		70 - 130	05/10/21 11:09	05/10/21 19:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.2		5.00		mg/Kg			05/11/21 03:49	1

Client Sample ID: SW-2

Lab Sample ID: 880-1996-2

Date Collected: 05/07/21 10:30

Matrix: Solid

Date Received: 05/10/21 10:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 21:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 21:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 21:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/21 11:05	05/10/21 21:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 21:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/21 11:05	05/10/21 21:10	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/10/21 11:05	05/10/21 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/10/21 11:05	05/10/21 21:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/10/21 11:05	05/10/21 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 19:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

Client Sample ID: SW-2

Lab Sample ID: 880-1996-2

Date Collected: 05/07/21 10:30

Matrix: Solid

Date Received: 05/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 19:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 19:26	1
Total TPH	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/10/21 11:09	05/10/21 19:26	1
o-Terphenyl	115		70 - 130				05/10/21 11:09	05/10/21 19:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.5		4.96		mg/Kg			05/11/21 04:05	1

Client Sample ID: SW-3

Lab Sample ID: 880-1996-3

Date Collected: 05/07/21 11:00

Matrix: Solid

Date Received: 05/10/21 10:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/10/21 11:05	05/10/21 21:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/10/21 11:05	05/10/21 21:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/10/21 11:05	05/10/21 21:30	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/10/21 11:05	05/10/21 21:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/10/21 11:05	05/10/21 21:30	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/10/21 11:05	05/10/21 21:30	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		05/10/21 11:05	05/10/21 21:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/10/21 11:05	05/10/21 21:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/10/21 11:05	05/10/21 21:30	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	<49.8	U	49.8		mg/Kg		05/10/21 11:09	05/10/21 19:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/21 11:09	05/10/21 19:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/21 11:09	05/10/21 19:47	1
Total TPH	<49.8	U	49.8		mg/Kg		05/10/21 11:09	05/10/21 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/10/21 11:09	05/10/21 19:47	1
o-Terphenyl	114		70 - 130				05/10/21 11:09	05/10/21 19:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.6		4.95		mg/Kg			05/11/21 04:10	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
 SDG: Eddy County NM

Client Sample ID: SW-4

Lab Sample ID: 880-1996-4

Date Collected: 05/07/21 11:30

Matrix: Solid

Date Received: 05/10/21 10:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 21:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 21:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 21:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/21 11:05	05/10/21 21:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/21 11:05	05/10/21 21:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/21 11:05	05/10/21 21:51	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/10/21 11:05	05/10/21 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/10/21 11:05	05/10/21 21:51	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/10/21 11:05	05/10/21 21:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 20:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 20:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 20:08	1
Total TPH	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	05/10/21 11:09	05/10/21 20:08	1
o-Terphenyl	111		70 - 130	05/10/21 11:09	05/10/21 20:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		5.05		mg/Kg			05/11/21 04:16	1

Client Sample ID: FS-1 (4')

Lab Sample ID: 880-1996-5

Date Collected: 05/07/21 12:00

Matrix: Solid

Date Received: 05/10/21 10:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/21 11:05	05/10/21 22:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/21 11:05	05/10/21 22:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/21 11:05	05/10/21 22:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/10/21 11:05	05/10/21 22:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/21 11:05	05/10/21 22:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/10/21 11:05	05/10/21 22:11	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/10/21 11:05	05/10/21 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/10/21 11:05	05/10/21 22:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/10/21 11:05	05/10/21 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 20:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
 SDG: Eddy County NM

Client Sample ID: FS-1 (4')

Lab Sample ID: 880-1996-5

Date Collected: 05/07/21 12:00

Matrix: Solid

Date Received: 05/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 20:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 20:29	1
Total TPH	<49.9	U	49.9		mg/Kg		05/10/21 11:09	05/10/21 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	05/10/21 11:09	05/10/21 20:29	1
o-Terphenyl	120		70 - 130	05/10/21 11:09	05/10/21 20:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1010		49.8		mg/Kg			05/11/21 04:21	10

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-1996-1	SW-1	99	95
880-1996-2	SW-2	101	94
880-1996-3	SW-3	99	100
880-1996-4	SW-4	95	95
880-1996-5	FS-1 (4')	88	96
LCS 880-2897/1-A	Lab Control Sample	114	107
LCSD 880-2897/2-A	Lab Control Sample Dup	113	106
MB 880-2897/5-A	Method Blank	87	91

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-1996-1	SW-1	97	113
880-1996-2	SW-2	99	115
880-1996-3	SW-3	97	114
880-1996-4	SW-4	95	111
880-1996-5	FS-1 (4')	100	120
LCS 880-2900/2-A	Lab Control Sample	112	121
LCSD 880-2900/3-A	Lab Control Sample Dup	111	117
MB 880-2900/1-A	Method Blank	104	121

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
 SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2897/5-A
 Matrix: Solid
 Analysis Batch: 2901

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 2897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/21 10:46	05/10/21 14:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/21 10:46	05/10/21 14:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/21 10:46	05/10/21 14:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/21 10:46	05/10/21 14:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/21 10:46	05/10/21 14:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/21 10:46	05/10/21 14:21	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/10/21 10:46	05/10/21 14:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/10/21 10:46	05/10/21 14:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/10/21 10:46	05/10/21 14:21	1

Lab Sample ID: LCS 880-2897/1-A
 Matrix: Solid
 Analysis Batch: 2901

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 2897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1039		mg/Kg		104	70 - 130
Toluene	0.100	0.09892		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2240		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-2897/2-A
 Matrix: Solid
 Analysis Batch: 2901

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 2897

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1078		mg/Kg		108	70 - 130	4	35
Toluene	0.100	0.1043		mg/Kg		104	70 - 130	5	35
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2366		mg/Kg		118	70 - 130	5	35
o-Xylene	0.100	0.1199		mg/Kg		120	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
 SDG: Eddy County NM

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

Lab Sample ID: MB 880-2900/1-A
 Matrix: Solid
 Analysis Batch: 2881

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 2900

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/10/21 11:09	05/10/21 12:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/21 11:09	05/10/21 12:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/21 11:09	05/10/21 12:51	1
Total TPH	<50.0	U	50.0		mg/Kg		05/10/21 11:09	05/10/21 12:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	05/10/21 11:09	05/10/21 12:51	1
o-Terphenyl	121		70 - 130	05/10/21 11:09	05/10/21 12:51	1

Lab Sample ID: LCS 880-2900/2-A
 Matrix: Solid
 Analysis Batch: 2881

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 2900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	943.7		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1225		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-2900/3-A
 Matrix: Solid
 Analysis Batch: 2881

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 2900

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	925.1		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1221		mg/Kg		122	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	117		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2922/1-A
 Matrix: Solid
 Analysis Batch: 2929

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/11/21 03:33	1

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
 SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-2922/2-A
 Matrix: Solid
 Analysis Batch: 2929

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	241.1		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-2922/3-A
 Matrix: Solid
 Analysis Batch: 2929

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	237.4		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-1996-1 MS
 Matrix: Solid
 Analysis Batch: 2929

Client Sample ID: SW-1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	59.2		250	301.7		mg/Kg		97	90 - 110

Lab Sample ID: 880-1996-1 MSD
 Matrix: Solid
 Analysis Batch: 2929

Client Sample ID: SW-1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	59.2		250	298.4		mg/Kg		96	90 - 110	1	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

GC VOA

Prep Batch: 2897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1996-1	SW-1	Total/NA	Solid	5035	
880-1996-2	SW-2	Total/NA	Solid	5035	
880-1996-3	SW-3	Total/NA	Solid	5035	
880-1996-4	SW-4	Total/NA	Solid	5035	
880-1996-5	FS-1 (4')	Total/NA	Solid	5035	
MB 880-2897/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2897/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2897/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1996-1	SW-1	Total/NA	Solid	8021B	2897
880-1996-2	SW-2	Total/NA	Solid	8021B	2897
880-1996-3	SW-3	Total/NA	Solid	8021B	2897
880-1996-4	SW-4	Total/NA	Solid	8021B	2897
880-1996-5	FS-1 (4')	Total/NA	Solid	8021B	2897
MB 880-2897/5-A	Method Blank	Total/NA	Solid	8021B	2897
LCS 880-2897/1-A	Lab Control Sample	Total/NA	Solid	8021B	2897
LCSD 880-2897/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2897

GC Semi VOA

Analysis Batch: 2881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1996-1	SW-1	Total/NA	Solid	8015B NM	2900
880-1996-2	SW-2	Total/NA	Solid	8015B NM	2900
880-1996-3	SW-3	Total/NA	Solid	8015B NM	2900
880-1996-4	SW-4	Total/NA	Solid	8015B NM	2900
880-1996-5	FS-1 (4')	Total/NA	Solid	8015B NM	2900
MB 880-2900/1-A	Method Blank	Total/NA	Solid	8015B NM	2900
LCS 880-2900/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2900
LCSD 880-2900/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2900

Prep Batch: 2900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1996-1	SW-1	Total/NA	Solid	8015NM Prep	
880-1996-2	SW-2	Total/NA	Solid	8015NM Prep	
880-1996-3	SW-3	Total/NA	Solid	8015NM Prep	
880-1996-4	SW-4	Total/NA	Solid	8015NM Prep	
880-1996-5	FS-1 (4')	Total/NA	Solid	8015NM Prep	
MB 880-2900/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2900/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2900/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1996-1	SW-1	Soluble	Solid	DI Leach	
880-1996-2	SW-2	Soluble	Solid	DI Leach	
880-1996-3	SW-3	Soluble	Solid	DI Leach	
880-1996-4	SW-4	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
 SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 2922 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1996-5	FS-1 (4')	Soluble	Solid	DI Leach	
MB 880-2922/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2922/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2922/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1996-1 MS	SW-1	Soluble	Solid	DI Leach	
880-1996-1 MSD	SW-1	Soluble	Solid	DI Leach	

Analysis Batch: 2929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1996-1	SW-1	Soluble	Solid	300.0	2922
880-1996-2	SW-2	Soluble	Solid	300.0	2922
880-1996-3	SW-3	Soluble	Solid	300.0	2922
880-1996-4	SW-4	Soluble	Solid	300.0	2922
880-1996-5	FS-1 (4')	Soluble	Solid	300.0	2922
MB 880-2922/1-A	Method Blank	Soluble	Solid	300.0	2922
LCS 880-2922/2-A	Lab Control Sample	Soluble	Solid	300.0	2922
LCSD 880-2922/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2922
880-1996-1 MS	SW-1	Soluble	Solid	300.0	2922
880-1996-1 MSD	SW-1	Soluble	Solid	300.0	2922

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

Client Sample ID: SW-1

Lab Sample ID: 880-1996-1

Date Collected: 05/07/21 10:00

Matrix: Solid

Date Received: 05/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2897	05/10/21 11:05	KL	XM
Total/NA	Analysis	8021B		1	2901	05/10/21 20:50	KL	XM
Total/NA	Prep	8015NM Prep			2900	05/10/21 11:09	AM	XM
Total/NA	Analysis	8015B NM		1	2881	05/10/21 19:06	AJ	XM
Soluble	Leach	DI Leach			2922	05/10/21 15:06	SC	XM
Soluble	Analysis	300.0		1	2929	05/11/21 03:49	CH	XM

Client Sample ID: SW-2

Lab Sample ID: 880-1996-2

Date Collected: 05/07/21 10:30

Matrix: Solid

Date Received: 05/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2897	05/10/21 11:05	KL	XM
Total/NA	Analysis	8021B		1	2901	05/10/21 21:10	KL	XM
Total/NA	Prep	8015NM Prep			2900	05/10/21 11:09	AM	XM
Total/NA	Analysis	8015B NM		1	2881	05/10/21 19:26	AJ	XM
Soluble	Leach	DI Leach			2922	05/10/21 15:06	SC	XM
Soluble	Analysis	300.0		1	2929	05/11/21 04:05	CH	XM

Client Sample ID: SW-3

Lab Sample ID: 880-1996-3

Date Collected: 05/07/21 11:00

Matrix: Solid

Date Received: 05/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2897	05/10/21 11:05	KL	XM
Total/NA	Analysis	8021B		1	2901	05/10/21 21:30	KL	XM
Total/NA	Prep	8015NM Prep			2900	05/10/21 11:09	AM	XM
Total/NA	Analysis	8015B NM		1	2881	05/10/21 19:47	AJ	XM
Soluble	Leach	DI Leach			2922	05/10/21 15:06	SC	XM
Soluble	Analysis	300.0		1	2929	05/11/21 04:10	CH	XM

Client Sample ID: SW-4

Lab Sample ID: 880-1996-4

Date Collected: 05/07/21 11:30

Matrix: Solid

Date Received: 05/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2897	05/10/21 11:05	KL	XM
Total/NA	Analysis	8021B		1	2901	05/10/21 21:51	KL	XM
Total/NA	Prep	8015NM Prep			2900	05/10/21 11:09	AM	XM
Total/NA	Analysis	8015B NM		1	2881	05/10/21 20:08	AJ	XM
Soluble	Leach	DI Leach			2922	05/10/21 15:06	SC	XM
Soluble	Analysis	300.0		1	2929	05/11/21 04:16	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

Client Sample ID: FS-1 (4')

Lab Sample ID: 880-1996-5

Date Collected: 05/07/21 12:00

Matrix: Solid

Date Received: 05/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2897	05/10/21 11:05	KL	XM
Total/NA	Analysis	8021B		1	2901	05/10/21 22:11	KL	XM
Total/NA	Prep	8015NM Prep			2900	05/10/21 11:09	AM	XM
Total/NA	Analysis	8015B NM		1	2881	05/10/21 20:29	AJ	XM
Soluble	Leach	DI Leach			2922	05/10/21 15:06	SC	XM
Soluble	Analysis	300.0		10	2929	05/11/21 04:21	CH	XM

Laboratory References:

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



Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
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	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

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Method Summary

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

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Sample Summary

Client: Tetra Tech, Inc.
Project/Site: EOG - Bon Bon State Fed Com #1

Job ID: 880-1996-1
SDG: Eddy County NM

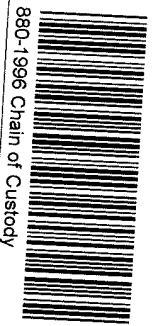
Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1996-1	SW-1	Solid	05/07/21 10:00	05/10/21 10:40	
880-1996-2	SW-2	Solid	05/07/21 10:30	05/10/21 10:40	
880-1996-3	SW-3	Solid	05/07/21 11:00	05/10/21 10:40	
880-1996-4	SW-4	Solid	05/07/21 11:30	05/10/21 10:40	
880-1996-5	FS-1 (4')	Solid	05/07/21 12:00	05/10/21 10:40	

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.



880-1996 Chain of Custody

Suite 100
3701
359
946

880-1996

Page : 1 of 1

Client Name: EOG Site Manager: Paula ToccoAlonso

Project Name: Bon Bon State Fed Com # 1 Contact Info: paula.toccoalonso@tetratech.com
Phone: 432-741-5813

Project Location: Eddy County, New Mexico Project #: 212C-MD-02419 Task 2400

Invoice to: Tetra Tech Inc

Receiving Laboratory: Eurofins Sampler Signature: Adrian Garcia

Comments: Athn James Kennedy

ANALYSIS REQUEST

(Circle or Specify Method No.)

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

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX				PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
	YEAR 2021	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE					
SW-1	05/07/21	1000		X			X			1	N	X		
SW-2	05/07/21	1030		X			X			1	N	X		
SW-3	05/07/21	1100		X			X			1	N	X		
SW-4	05/07/21	1130		X			X			1	N	X		
FS-1 (4)	05/07/21	1200		X			X			1	N	X		

Relinquished by: *John Davis* Date: *5/10/21* Time: *1040*

Relinquished by: *Adrian Garcia* Date: *5/10/21* Time: *1040*

Received by: _____ Date: _____ Time: _____

LAB USE ONLY: Sample Temperature *4.4/4.9*

REMARKS: Standard RUSH Same Day *24* hr Rush Charges Authorized Special Report Limits or TRRP Report

Relinquished by: _____ Date: _____ Time: _____

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-1996-1
SDG Number: Eddy County NM

Login Number: 1996
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Midland

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

ANALYTICAL REPORT

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

Laboratory Job ID: 880-2182-1
Laboratory Sample Delivery Group: 212C-MD-02419
Client Project/Site: BonBon Bnn State Com #1H (2RP-815)
Revision: 1

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

Attn: Clair Gonzales

Authorized for release by:
5/18/2021 1:26:08 PM

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

LINKS

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results through
Total Access

Have a Question?



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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.

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Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Laboratory Job ID: 880-2182-1
SDG: 212C-MD-02419

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
SDG: 212C-MD-02419

Qualifiers

GC VOA

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

Eurofins Xenco, Midland

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
SDG: 212C-MD-02419

Job ID: 880-2182-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-2182-1

REVISION

The report being provided is a revision of the original report sent on 5/17/2021. The report (revision 1) is being revised due to Per client email, corrected project number from 2RP-2580 to 2RP-815.

Report revision history

Receipt

The sample was received on 5/14/2021 4:18 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°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.

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
SDG: 212C-MD-02419

Client Sample ID: FS-1 (6')

Lab Sample ID: 880-2182-1

Date Collected: 05/13/21 00:00

Matrix: Solid

Date Received: 05/14/21 16:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/21 17:13	05/16/21 04:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/21 17:13	05/16/21 04:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/21 17:13	05/16/21 04:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/15/21 17:13	05/16/21 04:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/21 17:13	05/16/21 04:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/15/21 17:13	05/16/21 04:13	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/15/21 17:13	05/16/21 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/15/21 17:13	05/16/21 04:13	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/15/21 17:13	05/16/21 04:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/21 16:30	05/15/21 08:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/21 16:30	05/15/21 08:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/21 16:30	05/15/21 08:26	1
Total TPH	<50.0	U	50.0		mg/Kg		05/14/21 16:30	05/15/21 08:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	05/14/21 16:30	05/15/21 08:26	1
o-Terphenyl	107		70 - 130	05/14/21 16:30	05/15/21 08:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	519		4.99		mg/Kg			05/17/21 09:27	1

Eurofins Xenco, Midland

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
SDG: 212C-MD-02419

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-2182-1	FS-1 (6')	98	95
LCS 880-3156/1-A	Lab Control Sample	100	101
LCSD 880-3156/2-A	Lab Control Sample Dup	109	107
MB 880-3156/5-A	Method Blank	87	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-2182-1	FS-1 (6')	106	107
LCS 880-3136/2-A	Lab Control Sample	104	97
LCSD 880-3136/3-A	Lab Control Sample Dup	103	98
MB 880-3136/1-A	Method Blank	128	133 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
 SDG: 212C-MD-02419

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3156/5-A
 Matrix: Solid
 Analysis Batch: 3157

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/21 17:13	05/15/21 20:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/21 17:13	05/15/21 20:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/21 17:13	05/15/21 20:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/15/21 17:13	05/15/21 20:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/21 17:13	05/15/21 20:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/15/21 17:13	05/15/21 20:43	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/15/21 17:13	05/15/21 20:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/15/21 17:13	05/15/21 20:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/15/21 17:13	05/15/21 20:43	1

Lab Sample ID: LCS 880-3156/1-A
 Matrix: Solid
 Analysis Batch: 3157

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08681		mg/Kg		87	70 - 130
Toluene	0.100	0.08443		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08867		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1877		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09881		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-3156/2-A
 Matrix: Solid
 Analysis Batch: 3157

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 3156

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08511		mg/Kg		85	70 - 130	2	35
Toluene	0.100	0.08282		mg/Kg		83	70 - 130	2	35
Ethylbenzene	0.100	0.08668		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1839		mg/Kg		92	70 - 130	2	35
o-Xylene	0.100	0.09610		mg/Kg		96	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
SDG: 212C-MD-02419

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

Lab Sample ID: MB 880-3136/1-A
Matrix: Solid
Analysis Batch: 3108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/21 15:47	05/15/21 00:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/21 15:47	05/15/21 00:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/21 15:47	05/15/21 00:26	1
Total TPH	<50.0	U	50.0		mg/Kg		05/14/21 15:47	05/15/21 00:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	05/14/21 15:47	05/15/21 00:26	1
o-Terphenyl	133	S1+	70 - 130	05/14/21 15:47	05/15/21 00:26	1

Lab Sample ID: LCS 880-3136/2-A
Matrix: Solid
Analysis Batch: 3108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	898.1		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1059		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-3136/3-A
Matrix: Solid
Analysis Batch: 3108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3136

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	889.0		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1061		mg/Kg		106	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	98		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3094/1-A
Matrix: Solid
Analysis Batch: 3135

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/14/21 18:53	1

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
 SDG: 212C-MD-02419

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-3094/2-A
 Matrix: Solid
 Analysis Batch: 3135

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	251.8		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-3094/3-A
 Matrix: Solid
 Analysis Batch: 3135

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	244.8		mg/Kg					

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QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
 SDG: 212C-MD-02419

GC VOA

Prep Batch: 3156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2182-1	FS-1 (6')	Total/NA	Solid	5035	
MB 880-3156/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3156/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3156/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 3157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2182-1	FS-1 (6')	Total/NA	Solid	8021B	3156
MB 880-3156/5-A	Method Blank	Total/NA	Solid	8021B	3156
LCS 880-3156/1-A	Lab Control Sample	Total/NA	Solid	8021B	3156
LCSD 880-3156/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3156

GC Semi VOA

Analysis Batch: 3108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2182-1	FS-1 (6')	Total/NA	Solid	8015B NM	3136
MB 880-3136/1-A	Method Blank	Total/NA	Solid	8015B NM	3136
LCS 880-3136/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3136
LCSD 880-3136/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3136

Prep Batch: 3136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2182-1	FS-1 (6')	Total/NA	Solid	8015NM Prep	
MB 880-3136/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3136/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3136/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 3094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2182-1	FS-1 (6')	Soluble	Solid	DI Leach	
MB 880-3094/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3094/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3094/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2182-1	FS-1 (6')	Soluble	Solid	300.0	3094
MB 880-3094/1-A	Method Blank	Soluble	Solid	300.0	3094
LCS 880-3094/2-A	Lab Control Sample	Soluble	Solid	300.0	3094
LCSD 880-3094/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3094

Eurofins Xenco, Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
SDG: 212C-MD-02419

Client Sample ID: FS-1 (6')
Date Collected: 05/13/21 00:00
Date Received: 05/14/21 16:18

Lab Sample ID: 880-2182-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3156	05/15/21 17:13	MR	XM
Total/NA	Analysis	8021B		1	3157	05/16/21 04:13	MR	XM
Total/NA	Prep	8015NM Prep			3136	05/14/21 16:30	DM	XM
Total/NA	Analysis	8015B NM		1	3108	05/15/21 08:26	AJ	XM
Soluble	Leach	DI Leach			3094	05/14/21 16:26	CH	XM
Soluble	Analysis	300.0		1	3135	05/17/21 09:27	CH	XM

Laboratory References:

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

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Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
SDG: 212C-MD-02419

Laboratory: Eurofins Xenco, Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

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Method Summary

Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
SDG: 212C-MD-02419

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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



Sample Summary

Client: Tetra Tech, Inc.
Project/Site: BonBon Bnn State Com #1H (2RP-815)

Job ID: 880-2182-1
SDG: 212C-MD-02419

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-2182-1	FS-1 (6')	Solid	05/13/21 00:00	05/14/21 16:18	

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-2182-1
SDG Number: 212C-MD-02419

Login Number: 2182
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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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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 56122

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 56122
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/2/2023