SITE INFORMATION

Report Type: Closure Report (1RP-829)

General Site Information:						
Site:	**Sharbro Federal #2 Battery**					
Company:	**EOG Resources**					
Section, Township and Range	**Unit H**	**Sec. 17**	**T 23S**	**R 32E**		
County:	**Lea County, NM**					
GPS:	**32.30542**			**-103.6923076**		
Surface Owner:	**State of New Mexico**					

Release Data:	
Date Released:	3/28/2006
Type Release:	Produced Water
Source of Contamination:	Fiberglass Produced Water Tank
Fluid Released:	25+/- bbls. PW
Fluids Recovered:	25+/- bbls. PW

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@tetratech.com

Site Characterization	
Depth to Groundwater:	*478.47' 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*	*2,500 mg/kg*	*20,000 mg/kg*

TETRA TECH

May 06, 2021

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

Re: Closure Report
EOG Resources
Sharbro Federal #2 Battery
Unit H, Section 17, Township 23 South, Range 32 East
Lea County, New Mexico
1RP-829

Mr. Billings:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to submit this closure report for review. The EOG Sharbro Federal #2 Battery (API No. 30-025-34867) is located in the Public Land Survey System (PLSS) Unit H, Section 17, Township 23 South, Range 32 East, Lea County, New Mexico (Site). The Site coordinates are 32.30542º, -103.69230º. 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 March 28, 2006 due to a lightening striking the 500 barrels (bbls.) fiberglass produced water tank. The release affected the tank battery pad and minor impact to topsoil adjacent to pad and consisted of approximately 25 bbls. of produced water. During immediate response actions, approximately 25 bbls. of produced water were recovered. The initial C-141 report was submitted on March 03, 2006 and approved by the NMOCD. The release was subsequently assigned the Remediation Permit (RP) number 1RP-829. 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 low karst potential area. The nearest well is listed in the USGS National Water Information Database website in Section 21, approximately 1.48 miles Southeast of the site, and has a reported depth to groundwater of 478.47 ft. below ground surface (bgs.). In addition, according to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within 800 meters (approximately ½ mile) of the Site. However, there are three (3) water wells within 3,800 meters (approximately 2.5 miles) of the Site. The average depth to groundwater is 556 ft below ground surface (bgs). Site characterization data is included in Appendix B.

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

TETRA TECH

Regulatory

A risk-based evaluation was performed for the site 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 upon the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO+DRO+MRO) in the upper four (4) ft. and 2,500 mg/kg (GRO+DRO+MRO) below (4) ft. bgs. Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg) in the upper four (4) ft. and 20,000 mg/kg (GRO+DRO+MRO) below (4) ft. bgs.

Soil Assessment and Analytical Results

On February 25, 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 two (2) auger holes (AH-1 and AH-2) were advanced to a total depth of 3.5 ft. bgs. A total of eight (8) 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 locations are shown on Figure 3.

Referring to Table 1, none of the samples analyzed exceeded the Site RRAL for chloride (20,000 mg/kg), TPH (20,000 mg/kg), BTEX (50 m/kg) and benzene (10 mg/kg). In addition, all the samples were also below the 600 mg/kg chloride and 100 mg/kg TPH reclamation standards.

On March 12, 2021, Tetra Tech personnel returned to the site to perform additional soil sampling on the release area. Soils were field screened for salinity using an Extech EC400 ExStik to determine sampling intervals. A total of three (3) auger holes (AH-3 through AH-5) were advanced to a total depth of 4 ft. bgs. A total of nine (9) 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 locations are shown on Figure 3.

Referring to Table 1, one sample location (AH-4) exceeded the site RRAL for TPH (100 mg/kg) at the interval from top to 1 ft. bgs. None of the additional samples analyzed exceeded the Site RRAL for chloride (20,000 mg/kg), TPH (20,000 mg/kg), BTEX (50 m/kg) and benzene (10 mg/kg), and were also below the 600 mg/kg chloride and 100 mg/kg TPH reclamation standards.

Remediation Activities

On March 25, 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. Due to safety concerns related to tank stabilization and pipeline, an approximate area of 13 ft. by 5 ft. was hydrovac to a total depth of 1 ft. bgs. One (1) bottom hole (BH-1) sample was collected at the

area of the sample location (AH-4) at a depth of 1 ft. bgs. A total of one (1) 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 analyzed was below the Site RRAL for chloride (600 mg/kg) and TPH (100 mg/kg), BTEX (50 m/kg) and benzene (10 mg/kg).

On April 8, 2021, Tetra Tech returned to the site to collect the confirmation samples (sidewalls) at the perimeter of the excavation. Four (4) sidewall samples (SW-1 through SW-4) were collected at the north, west, east and south of the excavation. A total of four (4) 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 (SW-2) exceeded the Site RRALs for TPH (100 mg/kg). All the other sample locations analyzed were below the Site RRAL for chloride (600 mg/kg) and TPH (100 mg/kg).

On April 20, 2021, due to the exceedance of TPH (100 mg/kg) in the area of SW-2, the hydrovac area was expanded two (2) ft. to the east. Tetra Tech collected a new sidewall sample (SW-2). A total of one (1) samples 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 (SW-2) was below the Site RRAL for chloride (600 mg/kg) and TPH (100 mg/kg).

The excavations were all backfilled with clean soil material. Approximately 2.6 cubic yards of material was transported offsite for proper disposal.

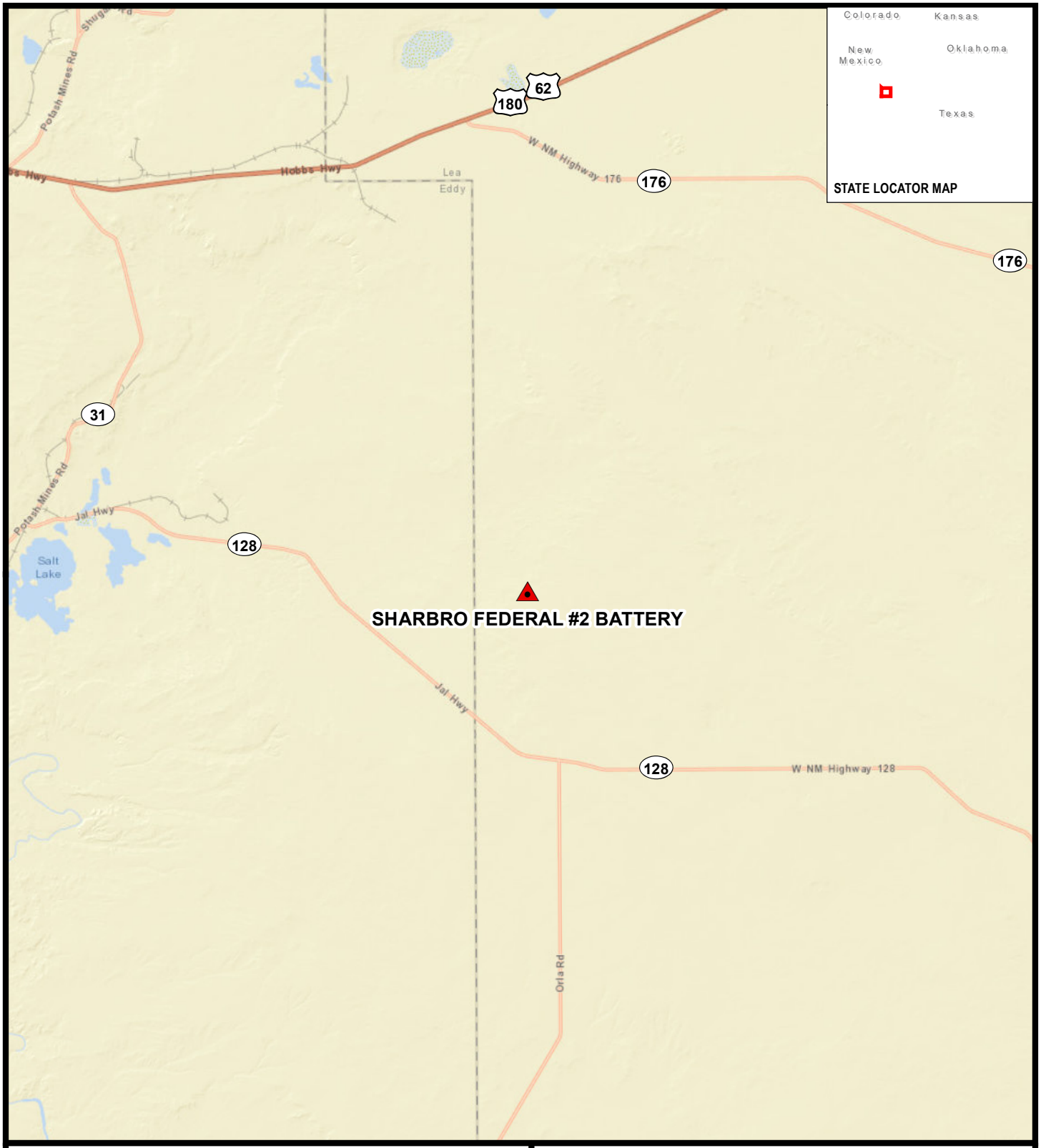
Conclusion

Based on the laboratory results and the soil investigation 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 I
Tetra Tech, Inc

Figures



SITE LOCATION

N
W E
S

0 2.5 5 Miles

Approximate Scale in Miles

Source: ESRI Basemap - Streets, 2021.

OVERVIEW MAP
SHARBRO FEDERAL #2 BATTERY
Property Located at coordinates 32.3054161°, -103.6923076°
LEA COUNTY, NEW MEXICO

eog resources

Project #:
212C-MD-02419

FIGURE
1

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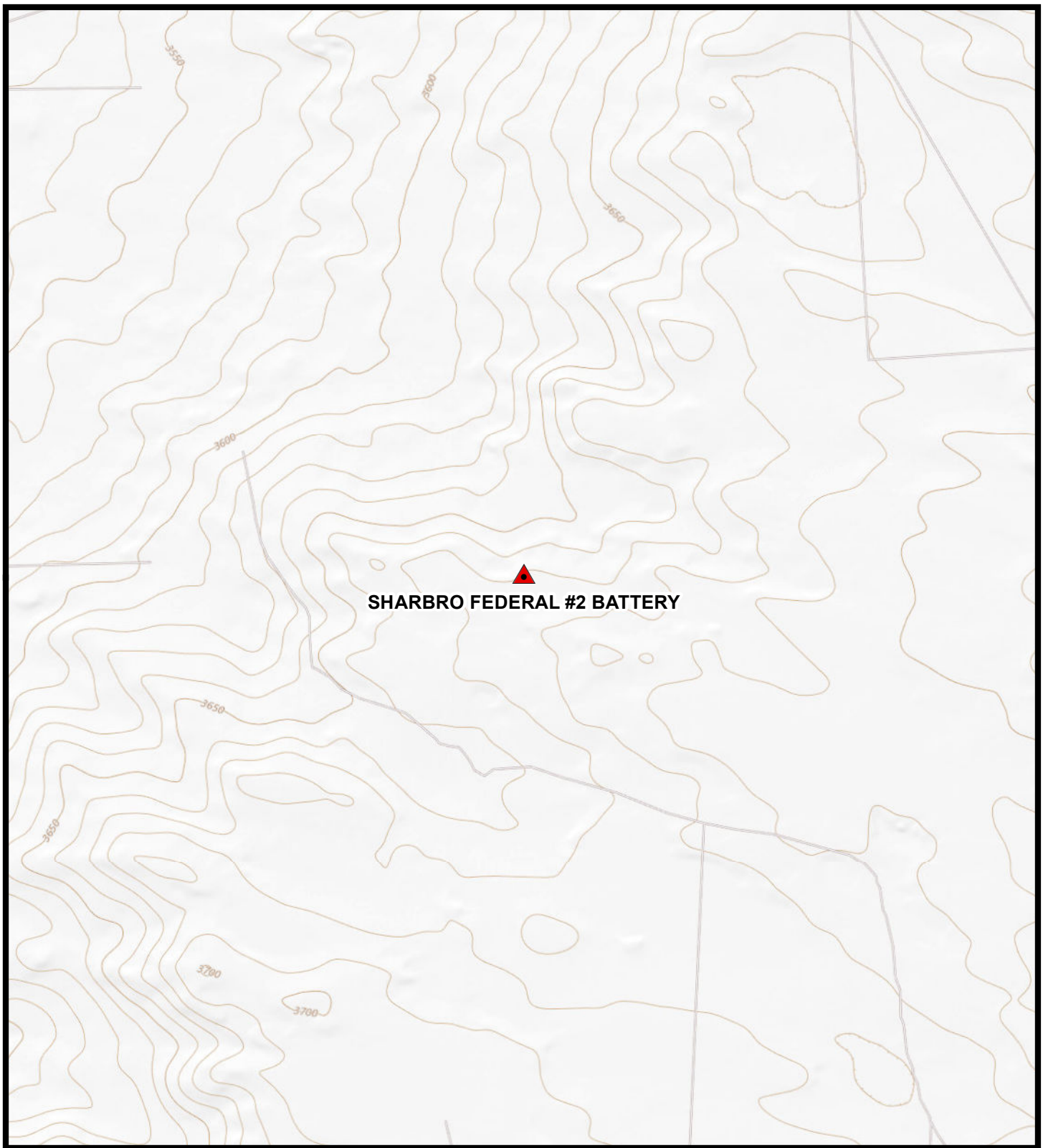

SITE LOCATION

N
W
E
S

0 1,000 2,000 Feet

Approximate Scale in Feet

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

TOPOGRAPHIC MAP
SHARBRO FEDERAL #2 BATTERY
Property Located at coordinates 32.3054161°, -103.6923076°
LEA COUNTY, NEW MEXICO

eog resources

Project #:
212C-MD-02419

FIGURE
2

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AUGER HOLE SAMPLE LOCATIONS	LATITUDE	LONGITUDE
AH-1	32.305286°	-103.689882°
AH-2	32.305284°	-103.689832°

AUGER HOLE SAMPLE LOCATION

N
W
E
S

0 25 50 Feet

Approximate Scale in Feet

Source: ESRI Basemap - Imagery, 2019.

RELEASE ASSESSMENT MAP AND BORING LOCATIONS
SHARBRO FEDERAL #2 BATTERY
Property Located at coordinates 32.3054161°, -103.6923076°
LEA COUNTY, NEW MEXICO

eog resources

Project #:
212C-MD-02419

FIGURE
3

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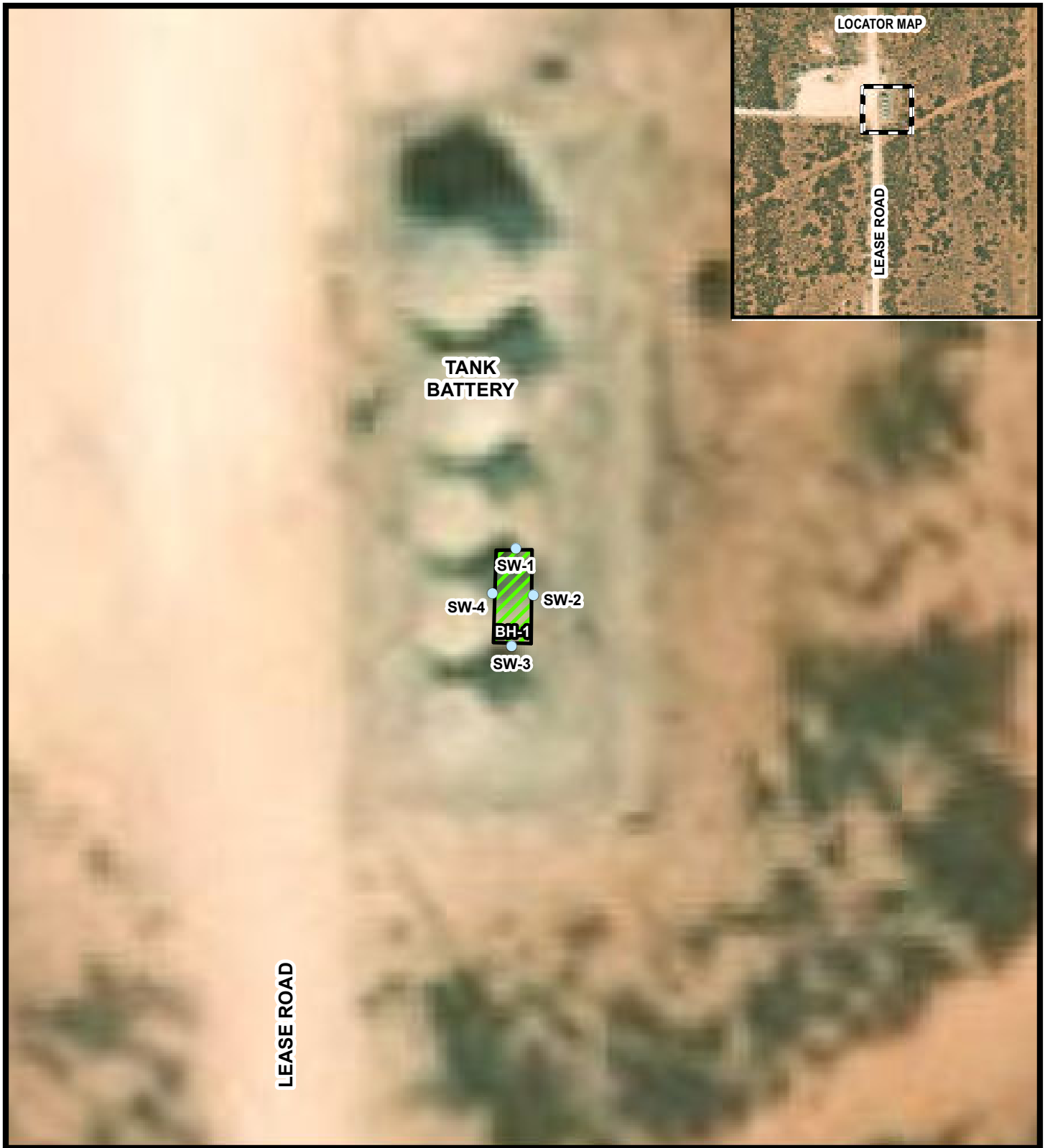

BH BOTTOM HOLE SAMPLE LOCATION

SIDEWALL DESIGNATION

1' EXCAVATED DEPTH AREA (HYDROVAC)

N
W E
S

0 10 20 Feet

Approximate Scale in Feet

Source: ESRI Basemap - Imagery, 2019.

EXCAVATION AREA AND DEPTH MAP
SHARBRO FEDERAL #2 BATTERY
Property Located at coordinates 32.3054161°, -103.6923076°
LEA COUNTY, NEW MEXICO

eog resources

Project #:
212C-MD-02419

FIGURE
4

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Tables

Table 1
EOG
Sharbro Federal #2 Battery
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
AH-1	2/25/2021	0-1	X	-	<49.9	70.1	<49.9	70.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	15.9
	"	1-1.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	11.2
	"	2-2.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	11.6
	"	3-3.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	10.1
AH-2	2/25/2021	0-1	X	-	<50.0	73.2	<50.0	73.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	16.6
		1-1.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	10.8
	"	2-2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	10.7
	"	3-3.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	11.3
AH-3	3/12/2021	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	21.2
	"	1-2	X	-	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	6.11
	"	3-4	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<5.00
AH-4	3/12/2021	0-1	X	-	<50.2	**1,420**	<50.2	**1,420**	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	197
	"	1-2	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	0.00219	13
	"	3-4	X	-	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	20.2
AH-5	3/12/2021	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	6.46
	"	1-2	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	8.17
	"	3-4	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	6.86

(-) Not Analyzed

Exceeded RRALs

Table 2
EOG
Sharbro Federal #2 Battery
Lea County, NM

Sample ID	Sample Date	Sample Depth	BEB Sample	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	ORO	Total						
BH-1	3/25/2021	-	1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	362
SW-1	4/8/2021	-	1	X	-	<49.9	<49.9	<49.9	<49.9	0.00253	<0.00200	<0.00200	<0.00400	0.00253	35
SW-2	4/8/2021	-	1	X	-	**527**	<50.0	<50.0	**527**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	39.9
	4/20/2021	-	1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<5.00
SW-3	4/8/2021	-	1	X	-	58.1	<50.0	<50.0	58.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	43.5
SW-4	4/8/2021	-	1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	40.4

(-) Not Analyzed
Excavated

Photos

EOG Resources
Sharbro Federal #2 Battery
Lea County, New Mexico

TETRA TECH

View of Release Area – View South

View of Release Area – View Southeast

EOG Resources
Sharbro Federal #2 Battery
Lea County, New Mexico

View of Release Area – View South

View of Release Area – View Southwest

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

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company **Myco Industries, Inc.**	Contact **Hannah Palomin**
Address **P.O. Box 840**	Telephone No. **505.748.4288**
Facility Name **Sharbro Federal #2 Battery**	Facility Type **Tank Battery – Produced Water Tank**

Surface Owner	Mineral Owner **US**	Lease No. **NM-62223**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	**17**	**23S**	**32E**	**App. 2310'**	**North**	**App. 660'**	**East**	**Lea**

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release **Produced Water & trace of oil**	Volume of Release **25+/- bbls**	Volume Recovered **25+/- bbls**
Source of Release **Lightening strike to water tank**	Date and Hour of Occurrence **Approx. late evening 3/28/06**	Date and Hour of Discovery **Late evening 3/28/06**
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
No, per NMOCD map, depth to groundwater is greater than 400'

Describe Cause of Problem and Remedial Action Taken.*
Lightening strike to 500 bbl fiberglass produced water tank. Spill contained and affected caliche on location was moved to certified landfill.

Describe Area Affected and Cleanup Action Taken.*
Tank Battery pad. Minor impact to top soil adjacent to pad. Spill contained and affected caliche and topsoil was moved to certified landfill.

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.

Signature: Hannah Palomin	OIL CONSERVATION DIVISION
Printed Name: **Hannah Palomin**	Approved by District Supervisor:
Title: **Engr/Land Tech**	Approval Date: / Expiration Date:
E-mail Address: **hannah@mycoinc.com**	Conditions of Approval: / Attached ☐
Date: **3/30/06** Phone: **505.748.4288**	

* Attach Additional Sheets If Necessary

Myco - 1544S
facility - fPAC0610840006

incident - nPAC0610840170
application - pPAC0610840322

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: James F. Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0610840170
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: _____ Date: _____

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

Closure Approved by: Bradford Billings Date: 11/01/2021

Printed Name: Bradford Billings Title: Envi.Spec.A

Appendix B

1RP-829

2/9/2021, 8:57:51 PM

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Override 1

OCD District Offices

PLSS First Division

PLSS Second Division

PLSS Townships

OSE Water-bodies

PLJV Probable Playas

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

Karst Potential

1RP-829

Legend

- High
- Low
- Medium

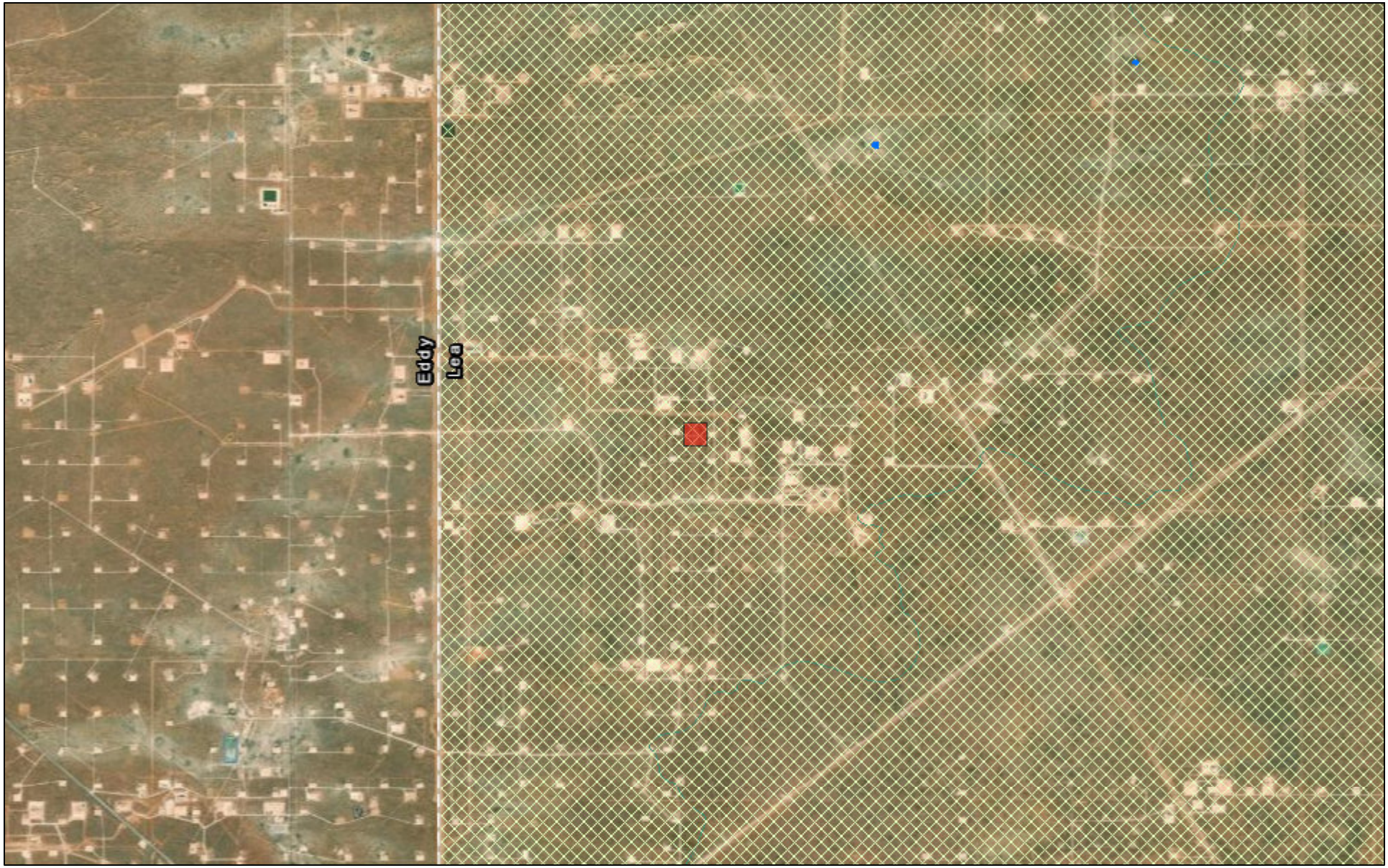
Sharbro Federal #2 Battery

Google Earth

N

10 mi

New Mexico NFHL Data



February 17, 2021

1:72,224

0 0.5 1 2 mi

0 1 2 4 km

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

nmflood.org is made possible through a collaboration with NMDHSEM, EDAC, and FEMA
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

USGS science for a changing world

USGS Home
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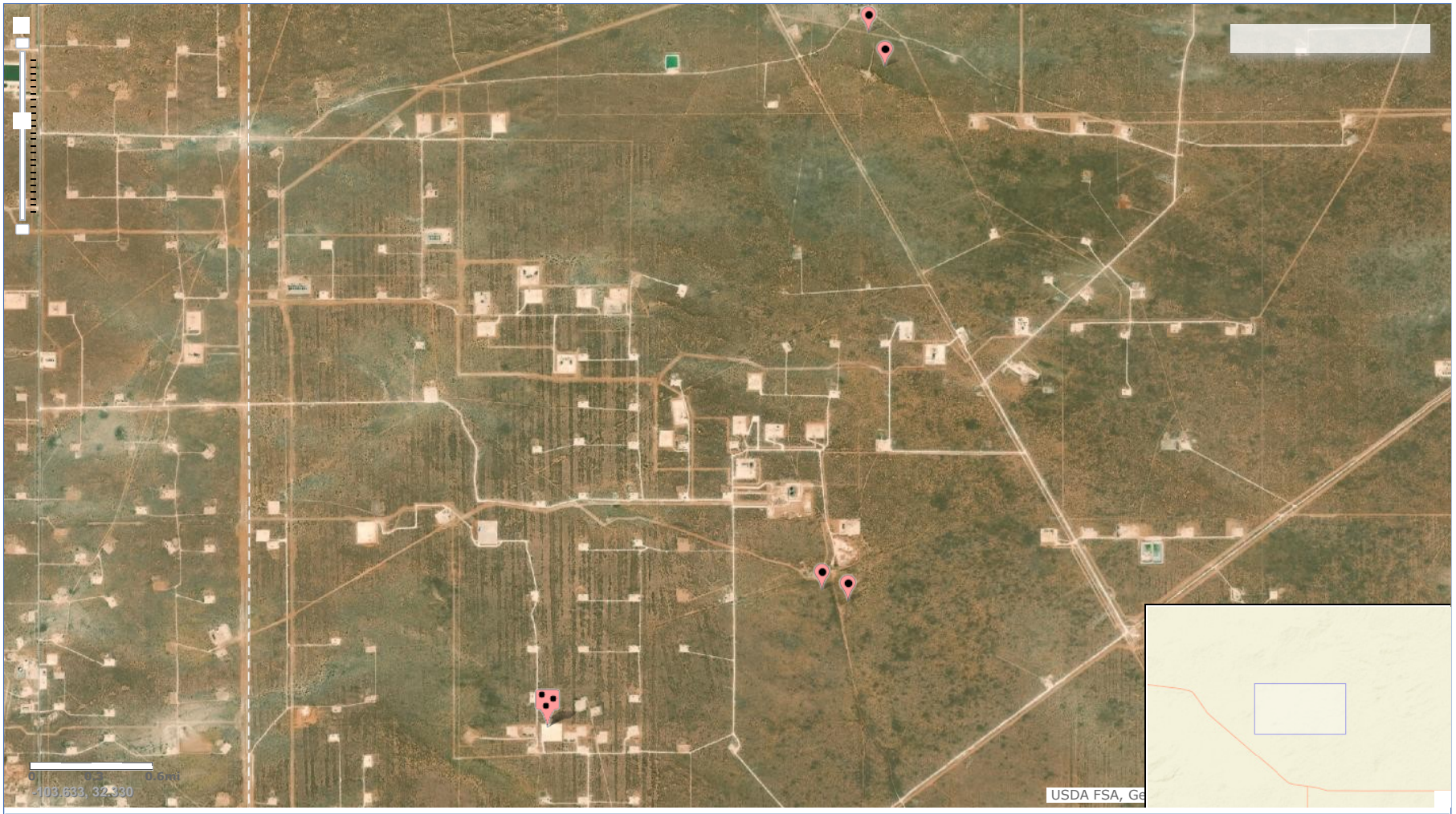
Search USGS

National Water Information System: Mapper

Help Info



Site Information

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- 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 =
- 321732103401701

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

USGS 321732103401701 23S.32E.21.223444

Lea County, New Mexico
Latitude 32°17'32", Longitude 103°40'17" NAD27
Land-surface elevation 3,682 feet above NAVD88
The depth of the well is 550 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) 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
1972-09-21		D	62610		3199.51	NGVD29	3	Z			A
1972-09-21		D	62611		3201.25	NAVD88	3	Z			A
1972-09-21		D	72019	480.75			3	Z			A
1976-12-07		D	62610		3201.79	NGVD29	1	Z			A
1976-12-07		D	62611		3203.53	NAVD88	1	Z			A
1976-12-07		D	72019	478.47			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	Above
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03851 POD1		CUB	LE	3	3	4	20	23S	32E	622880	3572660	2419	1392	713	679
C 02216		CUB	LE	2	2	4	21	23S	32E	625035	3573261*	2485	585	400	185
C 02349		CUB	ED		2	3	03	23S	32E	625678	3578004*	3797	525		

Average Depth to Water: **556 feet**

Minimum Depth: **400 feet**

Maximum Depth: **713 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 623301.13 **Northing (Y):** 3575042.21 **Radius:** 3800

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

2/9/21 8:01 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Appendix C

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Certificate of Analysis Summary 689544

Tetra Tech- Midland, Midland, TX

Project Name: Sharbro Fed 1 Battery

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, New Mexico

Date Received in Lab: Fri 02.26.2021 13:57

Report Date: 03.03.2021 17:53

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	689544-001		689544-002		689544-003		689544-004		689544-005		689544-006	
	Field Id:	AH-1 (0-1')		AH-1 (1.5'-2')		AH-1 (2.5'-3')		AH-1 (3.5'-4')		AH-2 (0-1')		AH-2 (1.5'-2')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.25.2021 00:00		02.25.2021 00:00		02.25.2021 00:00		02.25.2021 00:00		02.25.2021 00:00		02.25.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	02.28.2021 17:15		02.28.2021 17:15		02.28.2021 17:15		02.28.2021 17:15		02.28.2021 17:15		02.28.2021 17:15	
	Analyzed:	02.28.2021 18:07		02.28.2021 18:28		02.28.2021 18:48		02.28.2021 19:09		02.28.2021 19:30		02.28.2021 19:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00399	0.00399	<0.00401	0.00401	<0.00397	0.00397	<0.00398	0.00398	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	02.28.2021 11:15		02.28.2021 11:15		02.28.2021 11:15		02.28.2021 11:15		02.28.2021 11:15		02.28.2021 11:15	
	Analyzed:	02.28.2021 21:16		02.28.2021 21:22		02.28.2021 21:38		02.28.2021 21:43		02.28.2021 21:48		02.28.2021 21:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		15.9	4.99	11.2	5.00	11.6	5.00	10.1	5.02	16.6	5.05	10.8	5.03
TPH By SW8015 Mod	***Extracted:***	03.01.2021 12:00		03.01.2021 12:00		03.01.2021 12:00		03.01.2021 12:00		03.01.2021 12:00		03.01.2021 12:00	
	Analyzed:	03.01.2021 13:55		03.01.2021 14:15		03.01.2021 14:36		03.01.2021 14:57		03.01.2021 15:18		03.01.2021 15:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		70.1	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	73.2	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		70.1	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	73.2	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 689544

Tetra Tech- Midland, Midland, TX

Project Name: Sharbro Fed 1 Battery

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, New Mexico

Date Received in Lab: Fri 02.26.2021 13:57

Report Date: 03.03.2021 17:53

Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	689544-007		689544-008					
	Field Id:	AH-2 (2.5'-3')		AH-2 (3.5'-4')					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	02.25.2021 00:00		02.25.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	02.28.2021 17:15		02.28.2021 17:15					
	Analyzed:	02.28.2021 20:11		02.28.2021 20:32					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00199	0.00199	<0.00198	0.00198				
Toluene		<0.00199	0.00199	<0.00198	0.00198				
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198				
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397				
o-Xylene		<0.00199	0.00199	<0.00198	0.00198				
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198				
Total BTEX		<0.00199	0.00199	<0.00198	0.00198				
Inorganic Anions by EPA 300/300.1	***Extracted:***	02.28.2021 11:15		02.28.2021 11:15					
	Analyzed:	02.28.2021 21:59		02.28.2021 22:04					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		10.7	4.98	11.3	4.98				
TPH By SW8015 Mod	***Extracted:***	03.01.2021 12:00		03.01.2021 12:00					
	Analyzed:	03.01.2021 16:20		03.01.2021 16:40					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9				
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9				
Total TPH		<49.9	49.9	<49.9	49.9				

BRL - Below Reporting Limit

Jessica Kramer

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

eurofins | Environment Testing Xenco

Analytical Report 689544

for

Tetra Tech- Midland

Project Manager: Clair Gonzales

Sharbro Fed 1 Battery

03.03.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

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

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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03.03.2021

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

Reference: Eurofins Xenco, LLC Report No(s): **689544**
Sharbro Fed 1 Battery
Project Address: Lea County, New Mexico

Clair Gonzales:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 689544. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 689544 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

eurofins | Environment Testing Xenco

Sample Cross Reference 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH-1 (0-1')	S	02.25.2021 00:00		689544-001
AH-1 (1.5'-2')	S	02.25.2021 00:00		689544-002
AH-1 (2.5'-3')	S	02.25.2021 00:00		689544-003
AH-1 (3.5'-4')	S	02.25.2021 00:00		689544-004
AH-2 (0-1')	S	02.25.2021 00:00		689544-005
AH-2 (1.5'-2')	S	02.25.2021 00:00		689544-006
AH-2 (2.5'-3')	S	02.25.2021 00:00		689544-007
AH-2 (3.5'-4')	S	02.25.2021 00:00		689544-008

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CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Sharbro Fed 1 Battery

Project ID:
Work Order Number(s): *689544*

Report Date: *03.03.2021*
Date Received: *02.26.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id: **AH-1 (0-1')** Matrix: Soil Date Received:02.26.2021 13:57

Lab Sample Id: 689544-001 Date Collected: 02.25.2021 00:00

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

Tech: CHE

Analyst: CHE Date Prep: 02.28.2021 11:15 % Moisture:

Seq Number: 3152036 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.9**	4.99	mg/kg	02.28.2021 21:16		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 03.01.2021 12:00 % Moisture:

Seq Number: 3152218 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.01.2021 13:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	**70.1**	49.9	mg/kg	03.01.2021 13:55		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.01.2021 13:55	U	1
Total TPH	PHC635	**70.1**	49.9	mg/kg	03.01.2021 13:55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	03.01.2021 13:55	
o-Terphenyl	84-15-1	95	%	70-130	03.01.2021 13:55	

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id:	**AH-1 (0-1')**	Matrix:	Soil	Date Received:	02.26.2021 13:57
Lab Sample Id:	689544-001	Date Collected:	02.25.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.28.2021 17:15	% Moisture:	
Seq Number:	3152003			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.28.2021 18:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.28.2021 18:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.28.2021 18:07	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.28.2021 18:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.28.2021 18:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.28.2021 18:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.28.2021 18:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	02.28.2021 18:07	
4-Bromofluorobenzene	460-00-4	72	%	70-130	02.28.2021 18:07	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id: **AH-1 (1.5'-2')** Matrix: Soil Date Received:02.26.2021 13:57

Lab Sample Id: 689544-002 Date Collected: 02.25.2021 00:00

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

Tech: CHE

Analyst: CHE Date Prep: 02.28.2021 11:15 % Moisture:

Seq Number: 3152036 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.2**	5.00	mg/kg	02.28.2021 21:22		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 03.01.2021 12:00 % Moisture:

Seq Number: 3152218 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2021 14:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.01.2021 14:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2021 14:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.01.2021 14:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-130	03.01.2021 14:15	
o-Terphenyl	84-15-1	83	%	70-130	03.01.2021 14:15	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id:	**AH-1 (1.5'-2')**	Matrix:	Soil	Date Received:	02.26.2021 13:57
Lab Sample Id:	689544-002	Date Collected:	02.25.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.28.2021 17:15	% Moisture:	
Seq Number:	3152003			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.28.2021 18:28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.28.2021 18:28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.28.2021 18:28	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.28.2021 18:28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.28.2021 18:28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.28.2021 18:28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.28.2021 18:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	81	%	70-130	02.28.2021 18:28	
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.28.2021 18:28	

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id: **AH-1 (2.5'-3')** Matrix: Soil Date Received:02.26.2021 13:57

Lab Sample Id: 689544-003 Date Collected: 02.25.2021 00:00

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

Tech: CHE

Analyst: CHE Date Prep: 02.28.2021 11:15 % Moisture:

Seq Number: 3152036 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.6**	5.00	mg/kg	02.28.2021 21:38		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 03.01.2021 12:00 % Moisture:

Seq Number: 3152218 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2021 14:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.01.2021 14:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2021 14:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.01.2021 14:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	03.01.2021 14:36	
o-Terphenyl	84-15-1	86	%	70-130	03.01.2021 14:36	

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id:	**AH-1 (2.5'-3')**	Matrix:	Soil	Date Received:	02.26.2021 13:57
Lab Sample Id:	689544-003	Date Collected:	02.25.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.28.2021 17:15	% Moisture:	
Seq Number:	3152003			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.28.2021 18:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.28.2021 18:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.28.2021 18:48	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.28.2021 18:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.28.2021 18:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.28.2021 18:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.28.2021 18:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	80	%	70-130	02.28.2021 18:48	
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.28.2021 18:48	

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id: **AH-1 (3.5'-4')** Matrix: Soil Date Received:02.26.2021 13:57

Lab Sample Id: 689544-004 Date Collected: 02.25.2021 00:00

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

Tech: CHE

Analyst: CHE Date Prep: 02.28.2021 11:15 % Moisture:

Seq Number: 3152036 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.1**	5.02	mg/kg	02.28.2021 21:43		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 03.01.2021 12:00 % Moisture:

Seq Number: 3152218 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.01.2021 14:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.01.2021 14:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.01.2021 14:57	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.01.2021 14:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	03.01.2021 14:57	
o-Terphenyl	84-15-1	91	%	70-130	03.01.2021 14:57	

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id:	**AH-1 (3.5'-4')**	Matrix:	Soil	Date Received:	02.26.2021 13:57
Lab Sample Id:	689544-004	Date Collected:	02.25.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.28.2021 17:15	% Moisture:	
Seq Number:	3152003			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.28.2021 19:09	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.28.2021 19:09	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.28.2021 19:09	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.28.2021 19:09	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.28.2021 19:09	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.28.2021 19:09	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.28.2021 19:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	83	%	70-130	02.28.2021 19:09	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.28.2021 19:09	

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id: **AH-2 (0-1')** Matrix: Soil Date Received:02.26.2021 13:57

Lab Sample Id: 689544-005 Date Collected: 02.25.2021 00:00

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

Tech: CHE

Analyst: CHE Date Prep: 02.28.2021 11:15 % Moisture:

Seq Number: 3152036 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.6**	5.05	mg/kg	02.28.2021 21:48		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 03.01.2021 12:00 % Moisture:

Seq Number: 3152218 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2021 15:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	**73.2**	50.0	mg/kg	03.01.2021 15:18		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2021 15:18	U	1
Total TPH	PHC635	**73.2**	50.0	mg/kg	03.01.2021 15:18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	03.01.2021 15:18	
o-Terphenyl	84-15-1	99	%	70-130	03.01.2021 15:18	

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Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id:	**AH-2 (0-1')**	Matrix:	Soil	Date Received:	02.26.2021 13:57
Lab Sample Id:	689544-005	Date Collected:	02.25.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.28.2021 17:15	% Moisture:	
Seq Number:	3152003			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.28.2021 19:30	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.28.2021 19:30	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.28.2021 19:30	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.28.2021 19:30	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.28.2021 19:30	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.28.2021 19:30	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.28.2021 19:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.28.2021 19:30	
4-Bromofluorobenzene	460-00-4	78	%	70-130	02.28.2021 19:30	

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Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id: **AH-2 (1.5'-2')** Matrix: Soil Date Received:02.26.2021 13:57

Lab Sample Id: 689544-006 Date Collected: 02.25.2021 00:00

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

Tech: CHE

Analyst: CHE Date Prep: 02.28.2021 11:15 % Moisture:

Seq Number: 3152036 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.8**	5.03	mg/kg	02.28.2021 21:54		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 03.01.2021 12:00 % Moisture:

Seq Number: 3152218 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.01.2021 15:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.01.2021 15:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.01.2021 15:39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.01.2021 15:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	03.01.2021 15:39	
o-Terphenyl	84-15-1	90	%	70-130	03.01.2021 15:39	

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Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id:	**AH-2 (1.5'-2')**	Matrix:	Soil	Date Received:	02.26.2021 13:57
Lab Sample Id:	689544-006	Date Collected:	02.25.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.28.2021 17:15	% Moisture:	
Seq Number:	3152003			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.28.2021 19:50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.28.2021 19:50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.28.2021 19:50	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.28.2021 19:50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.28.2021 19:50	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.28.2021 19:50	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.28.2021 19:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	78	%	70-130	02.28.2021 19:50	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.28.2021 19:50	

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id: **AH-2 (2.5'-3')** Matrix: Soil Date Received:02.26.2021 13:57

Lab Sample Id: 689544-007 Date Collected: 02.25.2021 00:00

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

Tech: CHE

Analyst: CHE Date Prep: 02.28.2021 11:15 % Moisture:

Seq Number: 3152036 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.7**	4.98	mg/kg	02.28.2021 21:59		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 03.01.2021 12:00 % Moisture:

Seq Number: 3152218 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.01.2021 16:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.01.2021 16:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.01.2021 16:20	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.01.2021 16:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	03.01.2021 16:20	
o-Terphenyl	84-15-1	84	%	70-130	03.01.2021 16:20	

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id:	**AH-2 (2.5'-3')**	Matrix:	Soil	Date Received:	02.26.2021 13:57
Lab Sample Id:	689544-007	Date Collected:	02.25.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.28.2021 17:15	% Moisture:	
Seq Number:	3152003			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.28.2021 20:11	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.28.2021 20:11	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.28.2021 20:11	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.28.2021 20:11	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.28.2021 20:11	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.28.2021 20:11	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.28.2021 20:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	81	%	70-130	02.28.2021 20:11	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.28.2021 20:11	

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Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id: **AH-2 (3.5'-4')** Matrix: Soil Date Received:02.26.2021 13:57

Lab Sample Id: 689544-008 Date Collected: 02.25.2021 00:00

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

Tech: CHE

Analyst: CHE Date Prep: 02.28.2021 11:15 % Moisture:

Seq Number: 3152036 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.3**	4.98	mg/kg	02.28.2021 22:04		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 03.01.2021 12:00 % Moisture:

Seq Number: 3152218 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.01.2021 16:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.01.2021 16:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.01.2021 16:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.01.2021 16:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-130	03.01.2021 16:40	
o-Terphenyl	84-15-1	83	%	70-130	03.01.2021 16:40	

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Certificate of Analytical Results 689544

Tetra Tech- Midland, Midland, TX

Sharbro Fed 1 Battery

Sample Id:	**AH-2 (3.5'-4')**	Matrix:	Soil	Date Received:	02.26.2021 13:57
Lab Sample Id:	689544-008	Date Collected:	02.25.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	02.28.2021 17:15	% Moisture:	
Seq Number:	3152003			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.28.2021 20:32	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.28.2021 20:32	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.28.2021 20:32	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.28.2021 20:32	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.28.2021 20:32	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.28.2021 20:32	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.28.2021 20:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	83	%	70-130	02.28.2021 20:32	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.28.2021 20:32	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 689544

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Tetra Tech- Midland

Sharbro Fed 1 Battery

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3152036 — Matrix: Solid — Date Prep: 02.28.2021
MB Sample Id: 7722206-1-BLK — LCS Sample Id: 7722206-1-BKS — LCSD Sample Id: 7722206-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	245	98	244	98	90-110	0	20	mg/kg	02.28.2021 19:35	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3152036 — Matrix: Soil — Date Prep: 02.28.2021
Parent Sample Id: 689542-016 — MS Sample Id: 689542-016 S — MSD Sample Id: 689542-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	18.3	251	258	95	259	96	90-110	0	20	mg/kg	02.28.2021 21:06	

Analytical Method: Inorganic Anions by EPA 300/300.1 — Prep Method: E300P
Seq Number: 3152036 — Matrix: Soil — Date Prep: 02.28.2021
Parent Sample Id: 689547-011 — MS Sample Id: 689547-011 S — MSD Sample Id: 689547-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9.81	249	247	95	247	95	90-110	0	20	mg/kg	02.28.2021 19:51	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3152218 — Matrix: Solid — Date Prep: 03.01.2021
MB Sample Id: 7722323-1-BLK — LCS Sample Id: 7722323-1-BKS — LCSD Sample Id: 7722323-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	922	92	955	96	70-130	4	20	mg/kg	03.01.2021 11:09	
Diesel Range Organics (DRO)	<50.0	1000	872	87	881	88	70-130	1	20	mg/kg	03.01.2021 11:09	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	80		81		84		70-130	%	03.01.2021 11:09
o-Terphenyl	91		88		90		70-130	%	03.01.2021 11:09

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3152218 — Matrix: Solid — Date Prep: 03.01.2021
MB Sample Id: 7722323-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.01.2021 10:48	

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

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

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

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QC Summary 689544

Tetra Tech- Midland

Sharbro Fed 1 Battery

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3152218 Matrix: Soil Date Prep: 03.01.2021
Parent Sample Id: 689607-001 MS Sample Id: 689607-001 S MSD Sample Id: 689607-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	996	907	91	908	91	70-130	0	20	mg/kg	03.01.2021 12:11	
Diesel Range Organics (DRO)	<49.8	996	830	83	821	82	70-130	1	20	mg/kg	03.01.2021 12:11	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	79		79		70-130	%	03.01.2021 12:11
o-Terphenyl	81		79		70-130	%	03.01.2021 12:11

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3152003 Matrix: Solid Date Prep: 02.28.2021
MB Sample Id: 7722170-1-BLK LCS Sample Id: 7722170-1-BKS LCSD Sample Id: 7722170-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.127	127	0.125	125	70-130	2	35	mg/kg	02.28.2021 10:32	
Toluene	<0.00200	0.100	0.115	115	0.109	109	70-130	5	35	mg/kg	02.28.2021 10:32	
Ethylbenzene	<0.00200	0.100	0.111	111	0.104	104	70-130	7	35	mg/kg	02.28.2021 10:32	
m,p-Xylenes	<0.00400	0.200	0.243	122	0.220	110	70-130	10	35	mg/kg	02.28.2021 10:32	
o-Xylene	<0.00200	0.100	0.113	113	0.102	102	70-130	10	35	mg/kg	02.28.2021 10:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	127		106		106		70-130	%	02.28.2021 10:32
4-Bromofluorobenzene	73		92		88		70-130	%	02.28.2021 10:32

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3152003 Matrix: Soil Date Prep: 02.28.2021
Parent Sample Id: 689542-005 MS Sample Id: 689542-005 S MSD Sample Id: 689542-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0530	53	0.0976	97	70-130	59	35	mg/kg	02.28.2021 11:14	XF
Toluene	<0.00200	0.100	0.0426	43	0.0729	72	70-130	52	35	mg/kg	02.28.2021 11:14	XF
Ethylbenzene	<0.00200	0.100	0.0313	31	0.0555	55	70-130	56	35	mg/kg	02.28.2021 11:14	XF
m,p-Xylenes	<0.00401	0.200	0.0606	30	0.112	55	70-130	60	35	mg/kg	02.28.2021 11:14	XF
o-Xylene	<0.00200	0.100	0.0304	30	0.0513	51	70-130	51	35	mg/kg	02.28.2021 11:14	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		104		70-130	%	02.28.2021 11:14
4-Bromofluorobenzene	82		91		70-130	%	02.28.2021 11:14

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

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

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

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

489544

Client Name: EOG	Site Manager: Clair Gonzales
Project Name: Sharbro Fed 1 Battery	
Project Location: (county, state) Lea County, New Mexico	Project #:
Invoice to: James Kennedy	
Receiving Laboratory: Xenco	Sampler Signature: Devin Dominguez
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R			Hold
	AH-1 (0-1')	2/25/2021			X				X			1	N	X		X												X						
	AH-1 (1.5'-2')	2/25/2021			X				X			1	N	X		X												X						
	AH-1 (2.5'-3')	2/25/2021			X				X			1	N	X		X												X						
	AH-1 (3.5'-4')	2/25/2021			X				X			1	N	X		X												X						
	AH-2 (0-1')	2/25/2021			X				X			1	N	X		X												X						
	AH-2 (1.5'-2')	2/25/2021			X				X			1	N	X		X												X						
	AH-2 (2.5'-3')	2/25/2021			X				X			1	N	X		X												X						
	AH-2 (3.5'-4')	2/25/2021			X				X			1	N	X		X												X						

Relinquished by: Date: 2/26 Time:
Received by: Date: 2/26/21 Time: 1357

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

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

ORIGINAL COPY

LAB USE ONLY

Sample Temperature
3.7
4.2

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr 48 hr (72 hr)
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 02.26.2021 01.57.00 PM

Work Order #: 689544

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

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.2
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

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

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 02.26.2021
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 02.26.2021
Jessica Kramer

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-400-1
Client Project/Site: Sharbro Federal #2 Battery

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

Attn: Clair Gonzales

JKRAMER

Authorized for release by:
3/19/2021 10:24:42 AM

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

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

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

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Laboratory Job ID: 880-400-1

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-400-1

Receipt
The samples were received on 3/15/2021 1:04 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 2.2°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-400-A-1-A MS). Evidence of matrix interference is present; therefore,

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.

Detection Summary

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH3 (0'-1') Lab Sample ID: 880-400-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	21.2		5.02		mg/Kg	1		300.0	Soluble

Client Sample ID: AH3 (1'-2) Lab Sample ID: 880-400-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.11		4.98		mg/Kg	1		300.0	Soluble

Client Sample ID: AH3 (3'-4') Lab Sample ID: 880-400-3

No Detections.

Client Sample ID: AH4 (0'-1') Lab Sample ID: 880-400-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (Over C10-C28)	1420		50.2		mg/Kg	1		8015B NM	Total/NA
Total TPH	1420		50.2		mg/Kg	1		8015B NM	Total/NA
Chloride	197		4.97		mg/Kg	1		300.0	Soluble

Client Sample ID: AH4 (1'-2') Lab Sample ID: 880-400-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total BTEX	0.00219		0.00199		mg/Kg	1		8021B	Total/NA
o-Xylene	0.00219		0.00199		mg/Kg	1		8021B	Total/NA
Chloride	13.0		4.97		mg/Kg	1		300.0	Soluble

Client Sample ID: AH4 (3'-4') Lab Sample ID: 880-400-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	20.2		4.95		mg/Kg	1		300.0	Soluble

Client Sample ID: AH5 (0'-1') Lab Sample ID: 880-400-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.46		5.01		mg/Kg	1		300.0	Soluble

Client Sample ID: AH5 (1'-2') Lab Sample ID: 880-400-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	8.17		5.03		mg/Kg	1		300.0	Soluble

Client Sample ID: AH5 (3'-4') Lab Sample ID: 880-400-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.86		5.05		mg/Kg	1		300.0	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH3 (0'-1')
Date Collected: 03/12/21 08:00
Date Received: 03/15/21 13:04

Lab Sample ID: 880-400-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 18:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 18:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 18:10	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 18:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/15/21 13:54	03/15/21 18:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/15/21 13:54	03/15/21 18:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*03/15/21 13:54*	*03/15/21 18:10*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*03/15/21 13:54*	*03/15/21 18:10*	*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		03/16/21 16:25	03/16/21 21:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/16/21 16:25	03/16/21 21:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/16/21 16:25	03/16/21 21:20	1
Total TPH	<49.9	U	49.9		mg/Kg		03/16/21 16:25	03/16/21 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/16/21 16:25*	*03/16/21 21:20*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/16/21 16:25*	*03/16/21 21:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.2**		5.02		mg/Kg			03/18/21 13:43	1

Client Sample ID: AH3 (1'-2)
Date Collected: 03/12/21 08:30
Date Received: 03/15/21 13:04

Lab Sample ID: 880-400-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/15/21 13:54	03/15/21 18:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/15/21 13:54	03/15/21 18:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/15/21 13:54	03/15/21 18:37	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/15/21 13:54	03/15/21 18:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/15/21 13:54	03/15/21 18:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/15/21 13:54	03/15/21 18:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/15/21 13:54	03/15/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*03/15/21 13:54*	*03/15/21 18:37*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/15/21 13:54*	*03/15/21 18:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		03/16/21 16:25	03/16/21 22:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH3 (1'-2)
Date Collected: 03/12/21 08:30
Date Received: 03/15/21 13:04

Lab Sample ID: 880-400-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/16/21 16:25	03/16/21 22:23	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/16/21 16:25	03/16/21 22:23	1
Total TPH	<50.2	U	50.2		mg/Kg		03/16/21 16:25	03/16/21 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/16/21 16:25*	*03/16/21 22:23*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/16/21 16:25*	*03/16/21 22:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.11**		4.98		mg/Kg			03/18/21 13:50	1

Client Sample ID: AH3 (3'-4')
Date Collected: 03/12/21 09:00
Date Received: 03/15/21 13:04

Lab Sample ID: 880-400-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 19:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 19:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 19:04	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 19:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/15/21 13:54	03/15/21 19:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/15/21 13:54	03/15/21 19:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/15/21 13:54	03/15/21 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/15/21 13:54*	*03/15/21 19:04*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/15/21 13:54*	*03/15/21 19:04*	*1*

Method: 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		03/16/21 16:25	03/16/21 22:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/16/21 16:25	03/16/21 22:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/16/21 16:25	03/16/21 22:44	1
Total TPH	<50.0	U	50.0		mg/Kg		03/16/21 16:25	03/16/21 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/16/21 16:25*	*03/16/21 22:44*	*1*
o-Terphenyl	*103*		*70 - 130*	*03/16/21 16:25*	*03/16/21 22:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/18/21 13:55	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH4 (0'-1')
Lab Sample ID: 880-400-4
Date Collected: 03/12/21 09:30 **Matrix: Solid**
Date Received: 03/15/21 13:04

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		03/15/21 13:54	03/15/21 19:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/15/21 13:54	03/15/21 19:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/15/21 13:54	03/15/21 19:31	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/15/21 13:54	03/15/21 19:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/15/21 13:54	03/15/21 19:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/15/21 13:54	03/15/21 19:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/15/21 13:54	03/15/21 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/15/21 13:54*	*03/15/21 19:31*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*03/15/21 13:54*	*03/15/21 19:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		03/16/21 16:25	03/16/21 23:05	1
Diesel Range Organics (Over C10-C28)	**1420**		50.2		mg/Kg		03/16/21 16:25	03/16/21 23:05	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/16/21 16:25	03/16/21 23:05	1
Total TPH	**1420**		50.2		mg/Kg		03/16/21 16:25	03/16/21 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/16/21 16:25*	*03/16/21 23:05*	*1*
o-Terphenyl	*98*		*70 - 130*	*03/16/21 16:25*	*03/16/21 23:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**197**		4.97		mg/Kg			03/18/21 14:00	1

Client Sample ID: AH4 (1'-2')
Lab Sample ID: 880-400-5
Date Collected: 03/12/21 10:00 **Matrix: Solid**
Date Received: 03/15/21 13:04

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		03/15/21 13:54	03/15/21 19:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/15/21 13:54	03/15/21 19:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/15/21 13:54	03/15/21 19:56	1
Total BTEX	**0.00219**		0.00199		mg/Kg		03/15/21 13:54	03/15/21 19:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/15/21 13:54	03/15/21 19:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/15/21 13:54	03/15/21 19:56	1
o-Xylene	**0.00219**		0.00199		mg/Kg		03/15/21 13:54	03/15/21 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*03/15/21 13:54*	*03/15/21 19:56*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/15/21 13:54*	*03/15/21 19:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/16/21 23:26	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH4 (1'-2') Lab Sample ID: 880-400-5

Date Collected: 03/12/21 10:00 **Matrix: Solid**
Date Received: 03/15/21 13:04

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		03/16/21 16:25	03/16/21 23:26	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/16/21 23:26	1
Total TPH	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/16/21 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/16/21 16:25*	*03/16/21 23:26*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/16/21 16:25*	*03/16/21 23:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.0**		4.97		mg/Kg			03/18/21 14:05	1

Client Sample ID: AH4 (3'-4') Lab Sample ID: 880-400-6

Date Collected: 03/12/21 10:30 **Matrix: Solid**
Date Received: 03/15/21 13:04

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		03/16/21 15:47	03/18/21 18:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 18:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 18:19	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 18:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/16/21 15:47	03/18/21 18:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/16/21 15:47	03/18/21 18:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/16/21 15:47*	*03/18/21 18:19*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/16/21 15:47*	*03/18/21 18:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/16/21 16:25	03/16/21 23:47	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/16/21 16:25	03/16/21 23:47	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/16/21 16:25	03/16/21 23:47	1
Total TPH	<50.1	U	50.1		mg/Kg		03/16/21 16:25	03/16/21 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/16/21 16:25*	*03/16/21 23:47*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/16/21 16:25*	*03/16/21 23:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.2**		4.95		mg/Kg			03/18/21 14:20	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH5 (0'-1')
Lab Sample ID: 880-400-7
Date Collected: 03/12/21 11:00 **Matrix: Solid**
Date Received: 03/15/21 13:04

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		03/15/21 13:54	03/15/21 20:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/15/21 13:54	03/15/21 20:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/15/21 13:54	03/15/21 20:46	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/15/21 13:54	03/15/21 20:46	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/15/21 13:54	03/15/21 20:46	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/15/21 13:54	03/15/21 20:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/15/21 13:54	03/15/21 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*03/15/21 13:54*	*03/15/21 20:46*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/15/21 13:54*	*03/15/21 20:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:08	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:08	1
Total TPH	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*03/16/21 16:25*	*03/17/21 00:08*	*1*
o-Terphenyl	*111*		*70 - 130*	*03/16/21 16:25*	*03/17/21 00:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.46**		5.01		mg/Kg			03/18/21 14:25	1

Client Sample ID: AH5 (1'-2')
Lab Sample ID: 880-400-8
Date Collected: 03/12/21 11:30 **Matrix: Solid**
Date Received: 03/15/21 13:04

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		03/15/21 13:54	03/15/21 21:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/15/21 13:54	03/15/21 21:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/15/21 13:54	03/15/21 21:11	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/15/21 13:54	03/15/21 21:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/15/21 13:54	03/15/21 21:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/15/21 13:54	03/15/21 21:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/15/21 13:54	03/15/21 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/15/21 13:54*	*03/15/21 21:11*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/15/21 13:54*	*03/15/21 21:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:29	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH5 (1'-2')
Lab Sample ID: 880-400-8
Date Collected: 03/12/21 11:30 **Matrix: Solid**
Date Received: 03/15/21 13:04

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		03/16/21 16:25	03/17/21 00:29	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:29	1
Total TPH	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/16/21 16:25*	*03/17/21 00:29*	*1*
o-Terphenyl	*111*		*70 - 130*	*03/16/21 16:25*	*03/17/21 00:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.17**		5.03		mg/Kg			03/18/21 14:30	1

Client Sample ID: AH5 (3'-4')
Lab Sample ID: 880-400-9
Date Collected: 03/12/21 12:00 **Matrix: Solid**
Date Received: 03/15/21 13:04

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		03/15/21 13:54	03/15/21 21:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/15/21 13:54	03/15/21 21:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/15/21 13:54	03/15/21 21:36	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/15/21 13:54	03/15/21 21:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/15/21 13:54	03/15/21 21:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/15/21 13:54	03/15/21 21:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/15/21 13:54	03/15/21 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*03/15/21 13:54*	*03/15/21 21:36*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/15/21 13:54*	*03/15/21 21:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:50	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:50	1
Total TPH	<49.8	U	49.8		mg/Kg		03/16/21 16:25	03/17/21 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/16/21 16:25*	*03/17/21 00:50*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/16/21 16:25*	*03/17/21 00:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.86**		5.05		mg/Kg			03/18/21 15:58	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-400-1	AH3 (0'-1')	91	87
880-400-1 MS	AH3 (0'-1')	108	81
880-400-1 MSD	AH3 (0'-1')	103	97
880-400-2	AH3 (1'-2)	85	90
880-400-3	AH3 (3'-4')	96	94
880-400-4	AH4 (0'-1')	104	76
880-400-5	AH4 (1'-2')	116	97
880-400-6	AH4 (3'-4')	108	101
880-400-7	AH5 (0'-1')	121	98
880-400-8	AH5 (1'-2')	113	100
880-400-9	AH5 (3'-4')	124	102
LCS 880-484/1-A	Lab Control Sample	93	103
LCSD 880-484/2-A	Lab Control Sample Dup	107	98
MB 880-489/7	Method Blank	62 S1-	93

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-400-1	AH3 (0'-1')	109	110
880-400-1 MS	AH3 (0'-1')	111	100
880-400-1 MSD	AH3 (0'-1')	114	98
880-400-2	AH3 (1'-2)	105	107
880-400-3	AH3 (3'-4')	104	103
880-400-4	AH4 (0'-1')	105	98
880-400-5	AH4 (1'-2')	106	105
880-400-6	AH4 (3'-4')	105	109
880-400-7	AH5 (0'-1')	108	111
880-400-8	AH5 (1'-2')	105	111
880-400-9	AH5 (3'-4')	105	108
LCS 880-513/2-A	Lab Control Sample	119	104
LCSD 880-513/3-A	Lab Control Sample Dup	117	107
MB 880-513/1-A	Method Blank	111	105

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 880-484/1-A
Matrix: Solid
Analysis Batch: 489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 484

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09764		mg/Kg		98	70 - 130		
Ethylbenzene			0.100	0.09476		mg/Kg		95	70 - 130		
Toluene			0.100	0.09959		mg/Kg		100	70 - 130		
m-Xylene & p-Xylene			0.200	0.2012		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09496		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-484/2-A
Matrix: Solid
Analysis Batch: 489

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 484

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1010		mg/Kg		101	70 - 130	3	35
Ethylbenzene			0.100	0.1015		mg/Kg		102	70 - 130	7	35
Toluene			0.100	0.1076		mg/Kg		108	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2163		mg/Kg		108	70 - 130	7	35
o-Xylene			0.100	0.1036		mg/Kg		104	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-400-1 MS
Matrix: Solid
Analysis Batch: 489

Client Sample ID: AH3 (0'-1')
Prep Type: Total/NA
Prep Batch: 484

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00201	U	0.101	0.07469		mg/Kg		74	70 - 130		
Ethylbenzene	<0.00201	U	0.101	0.08816		mg/Kg		87	70 - 130		
Toluene	<0.00201	U	0.101	0.09006		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1868		mg/Kg		92	70 - 130		
o-Xylene	<0.00201	U	0.101	0.08937		mg/Kg		88	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: 880-400-1 MSD
Matrix: Solid
Analysis Batch: 489

Client Sample ID: AH3 (0'-1')
Prep Type: Total/NA
Prep Batch: 484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.07424		mg/Kg		74	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0998	0.07986		mg/Kg		80	70 - 130	10	35
Toluene	<0.00201	U	0.0998	0.08141		mg/Kg		82	70 - 130	10	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

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

Lab Sample ID: 880-400-1 MSD
Matrix: Solid
Analysis Batch: 489

Client Sample ID: AH3 (0'-1')
Prep Type: Total/NA
Prep Batch: 484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1688		mg/Kg		85	70 - 130	10	35
o-Xylene	<0.00201	U	0.0998	0.08041		mg/Kg		80	70 - 130	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-489/7
Matrix: Solid
Analysis Batch: 489

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			03/15/21 17:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			03/15/21 17:43	1
Toluene	<0.00200	U	0.00200		mg/Kg			03/15/21 17:43	1
Total BTEX	<0.00200	U	0.00200		mg/Kg			03/15/21 17:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			03/15/21 17:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			03/15/21 17:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			03/15/21 17:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*70 - 130*		*03/15/21 17:43*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*03/15/21 17:43*	*1*

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

Lab Sample ID: MB 880-513/1-A
Matrix: Solid
Analysis Batch: 518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513

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		03/16/21 16:25	03/16/21 20:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/16/21 16:25	03/16/21 20:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/16/21 16:25	03/16/21 20:17	1
Total TPH	<50.0	U	50.0		mg/Kg		03/16/21 16:25	03/16/21 20:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*03/16/21 16:25*	*03/16/21 20:17*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/16/21 16:25*	*03/16/21 20:17*	*1*

Lab Sample ID: LCS 880-513/2-A
Matrix: Solid
Analysis Batch: 518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1094		mg/Kg		109	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

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

Lab Sample ID: LCS 880-513/2-A
Matrix: Solid
Analysis Batch: 518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000	1134		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: LCSD 880-513/3-A
Matrix: Solid
Analysis Batch: 518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1042		mg/Kg		104	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1124		mg/Kg		112	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: 880-400-1 MS
Matrix: Solid
Analysis Batch: 518

Client Sample ID: AH3 (0'-1')
Prep Type: Total/NA
Prep Batch: 513

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1056		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1074		mg/Kg		107	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 880-400-1 MSD
Matrix: Solid
Analysis Batch: 518

Client Sample ID: AH3 (0'-1')
Prep Type: Total/NA
Prep Batch: 513

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1036		mg/Kg		104	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1157		mg/Kg		116	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-554/1-A
Matrix: Solid
Analysis Batch: 563

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			03/18/21 13:28	1

Lab Sample ID: LCS 880-554/2-A
Matrix: Solid
Analysis Batch: 563

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	262.6		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-554/3-A
Matrix: Solid
Analysis Batch: 563

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	261.9		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-400-1 MS
Matrix: Solid
Analysis Batch: 563

Client Sample ID: AH3 (0'-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	21.2		251	275.5		mg/Kg		101	90 - 110		

Lab Sample ID: 880-400-1 MSD
Matrix: Solid
Analysis Batch: 563

Client Sample ID: AH3 (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		251	275.2		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

GC VOA

Prep Batch: 484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-400-1	AH3 (0'-1')	Total/NA	Solid	5035	
880-400-2	AH3 (1'-2)	Total/NA	Solid	5035	
880-400-3	AH3 (3'-4')	Total/NA	Solid	5035	
880-400-4	AH4 (0'-1')	Total/NA	Solid	5035	
880-400-5	AH4 (1'-2')	Total/NA	Solid	5035	
880-400-7	AH5 (0'-1')	Total/NA	Solid	5035	
880-400-8	AH5 (1'-2')	Total/NA	Solid	5035	
880-400-9	AH5 (3'-4')	Total/NA	Solid	5035	
LCS 880-484/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-484/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-400-1 MS	AH3 (0'-1')	Total/NA	Solid	5035	
880-400-1 MSD	AH3 (0'-1')	Total/NA	Solid	5035	

Analysis Batch: 489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-400-1	AH3 (0'-1')	Total/NA	Solid	8021B	484
880-400-2	AH3 (1'-2)	Total/NA	Solid	8021B	484
880-400-3	AH3 (3'-4')	Total/NA	Solid	8021B	484
880-400-4	AH4 (0'-1')	Total/NA	Solid	8021B	484
880-400-5	AH4 (1'-2')	Total/NA	Solid	8021B	484
880-400-7	AH5 (0'-1')	Total/NA	Solid	8021B	484
880-400-8	AH5 (1'-2')	Total/NA	Solid	8021B	484
880-400-9	AH5 (3'-4')	Total/NA	Solid	8021B	484
MB 880-489/7	Method Blank	Total/NA	Solid	8021B	
LCS 880-484/1-A	Lab Control Sample	Total/NA	Solid	8021B	484
LCSD 880-484/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	484
880-400-1 MS	AH3 (0'-1')	Total/NA	Solid	8021B	484
880-400-1 MSD	AH3 (0'-1')	Total/NA	Solid	8021B	484

Prep Batch: 508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-400-6	AH4 (3'-4')	Total/NA	Solid	5035	

Analysis Batch: 528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-400-6	AH4 (3'-4')	Total/NA	Solid	8021B	508

GC Semi VOA

Prep Batch: 513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-400-1	AH3 (0'-1')	Total/NA	Solid	8015NM Prep	
880-400-2	AH3 (1'-2)	Total/NA	Solid	8015NM Prep	
880-400-3	AH3 (3'-4')	Total/NA	Solid	8015NM Prep	
880-400-4	AH4 (0'-1')	Total/NA	Solid	8015NM Prep	
880-400-5	AH4 (1'-2')	Total/NA	Solid	8015NM Prep	
880-400-6	AH4 (3'-4')	Total/NA	Solid	8015NM Prep	
880-400-7	AH5 (0'-1')	Total/NA	Solid	8015NM Prep	
880-400-8	AH5 (1'-2')	Total/NA	Solid	8015NM Prep	
880-400-9	AH5 (3'-4')	Total/NA	Solid	8015NM Prep	
MB 880-513/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

GC Semi VOA (Continued)

Prep Batch: 513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-513/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-513/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-400-1 MS	AH3 (0'-1')	Total/NA	Solid	8015NM Prep	
880-400-1 MSD	AH3 (0'-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-400-1	AH3 (0'-1')	Total/NA	Solid	8015B NM	513
880-400-2	AH3 (1'-2)	Total/NA	Solid	8015B NM	513
880-400-3	AH3 (3'-4')	Total/NA	Solid	8015B NM	513
880-400-4	AH4 (0'-1')	Total/NA	Solid	8015B NM	513
880-400-5	AH4 (1'-2')	Total/NA	Solid	8015B NM	513
880-400-6	AH4 (3'-4')	Total/NA	Solid	8015B NM	513
880-400-7	AH5 (0'-1')	Total/NA	Solid	8015B NM	513
880-400-8	AH5 (1'-2')	Total/NA	Solid	8015B NM	513
880-400-9	AH5 (3'-4')	Total/NA	Solid	8015B NM	513
MB 880-513/1-A	Method Blank	Total/NA	Solid	8015B NM	513
LCS 880-513/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	513
LCSD 880-513/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	513
880-400-1 MS	AH3 (0'-1')	Total/NA	Solid	8015B NM	513
880-400-1 MSD	AH3 (0'-1')	Total/NA	Solid	8015B NM	513

HPLC/IC

Leach Batch: 554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-400-1	AH3 (0'-1')	Soluble	Solid	DI Leach	
880-400-2	AH3 (1'-2)	Soluble	Solid	DI Leach	
880-400-3	AH3 (3'-4')	Soluble	Solid	DI Leach	
880-400-4	AH4 (0'-1')	Soluble	Solid	DI Leach	
880-400-5	AH4 (1'-2')	Soluble	Solid	DI Leach	
880-400-6	AH4 (3'-4')	Soluble	Solid	DI Leach	
880-400-7	AH5 (0'-1')	Soluble	Solid	DI Leach	
880-400-8	AH5 (1'-2')	Soluble	Solid	DI Leach	
880-400-9	AH5 (3'-4')	Soluble	Solid	DI Leach	
MB 880-554/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-554/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-554/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-400-1 MS	AH3 (0'-1')	Soluble	Solid	DI Leach	
880-400-1 MSD	AH3 (0'-1')	Soluble	Solid	DI Leach	

Analysis Batch: 563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-400-1	AH3 (0'-1')	Soluble	Solid	300.0	554
880-400-2	AH3 (1'-2)	Soluble	Solid	300.0	554
880-400-3	AH3 (3'-4')	Soluble	Solid	300.0	554
880-400-4	AH4 (0'-1')	Soluble	Solid	300.0	554
880-400-5	AH4 (1'-2')	Soluble	Solid	300.0	554
880-400-6	AH4 (3'-4')	Soluble	Solid	300.0	554
880-400-7	AH5 (0'-1')	Soluble	Solid	300.0	554
880-400-8	AH5 (1'-2')	Soluble	Solid	300.0	554

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

HPLC/IC (Continued)

Analysis Batch: 563 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-400-9	AH5 (3'-4')	Soluble	Solid	300.0	554
MB 880-554/1-A	Method Blank	Soluble	Solid	300.0	554
LCS 880-554/2-A	Lab Control Sample	Soluble	Solid	300.0	554
LCSD 880-554/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	554
880-400-1 MS	AH3 (0'-1')	Soluble	Solid	300.0	554
880-400-1 MSD	AH3 (0'-1')	Soluble	Solid	300.0	554

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH3 (0'-1') Lab Sample ID: 880-400-1
Date Collected: 03/12/21 08:00 **Matrix: Solid**
Date Received: 03/15/21 13:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			484	03/15/21 13:54	MR	XM
Total/NA	Analysis	8021B		1	489	03/15/21 18:10	MR	XM
Total/NA	Prep	8015NM Prep			513	03/16/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	518	03/16/21 21:20	AM	XM
Soluble	Leach	DI Leach			554	03/18/21 10:22	SC	XM
Soluble	Analysis	300.0		1	563	03/18/21 13:43	WP	XM

Client Sample ID: AH3 (1'-2) Lab Sample ID: 880-400-2
Date Collected: 03/12/21 08:30 **Matrix: Solid**
Date Received: 03/15/21 13:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			484	03/15/21 13:54	MR	XM
Total/NA	Analysis	8021B		1	489	03/15/21 18:37	MR	XM
Total/NA	Prep	8015NM Prep			513	03/16/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	518	03/16/21 22:23	AM	XM
Soluble	Leach	DI Leach			554	03/18/21 10:22	SC	XM
Soluble	Analysis	300.0		1	563	03/18/21 13:50	WP	XM

Client Sample ID: AH3 (3'-4') Lab Sample ID: 880-400-3
Date Collected: 03/12/21 09:00 **Matrix: Solid**
Date Received: 03/15/21 13:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			484	03/15/21 13:54	MR	XM
Total/NA	Analysis	8021B		1	489	03/15/21 19:04	MR	XM
Total/NA	Prep	8015NM Prep			513	03/16/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	518	03/16/21 22:44	AM	XM
Soluble	Leach	DI Leach			554	03/18/21 10:22	SC	XM
Soluble	Analysis	300.0		1	563	03/18/21 13:55	WP	XM

Client Sample ID: AH4 (0'-1') Lab Sample ID: 880-400-4
Date Collected: 03/12/21 09:30 **Matrix: Solid**
Date Received: 03/15/21 13:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			484	03/15/21 13:54	MR	XM
Total/NA	Analysis	8021B		1	489	03/15/21 19:31	MR	XM
Total/NA	Prep	8015NM Prep			513	03/16/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	518	03/16/21 23:05	AM	XM
Soluble	Leach	DI Leach			554	03/18/21 10:22	SC	XM
Soluble	Analysis	300.0		1	563	03/18/21 14:00	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH4 (1'-2') Lab Sample ID: 880-400-5
Date Collected: 03/12/21 10:00 **Matrix: Solid**
Date Received: 03/15/21 13:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			484	03/15/21 13:54	MR	XM
Total/NA	Analysis	8021B		1	489	03/15/21 19:56	MR	XM
Total/NA	Prep	8015NM Prep			513	03/16/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	518	03/16/21 23:26	AM	XM
Soluble	Leach	DI Leach			554	03/18/21 10:22	SC	XM
Soluble	Analysis	300.0		1	563	03/18/21 14:05	WP	XM

Client Sample ID: AH4 (3'-4') Lab Sample ID: 880-400-6
Date Collected: 03/12/21 10:30 **Matrix: Solid**
Date Received: 03/15/21 13:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			508	03/16/21 15:47	MR	XM
Total/NA	Analysis	8021B		1	528	03/18/21 18:19	MR	XM
Total/NA	Prep	8015NM Prep			513	03/16/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	518	03/16/21 23:47	AM	XM
Soluble	Leach	DI Leach			554	03/18/21 10:22	SC	XM
Soluble	Analysis	300.0		1	563	03/18/21 14:20	WP	XM

Client Sample ID: AH5 (0'-1') Lab Sample ID: 880-400-7
Date Collected: 03/12/21 11:00 **Matrix: Solid**
Date Received: 03/15/21 13:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			484	03/15/21 13:54	MR	XM
Total/NA	Analysis	8021B		1	489	03/15/21 20:46	MR	XM
Total/NA	Prep	8015NM Prep			513	03/16/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	518	03/17/21 00:08	AM	XM
Soluble	Leach	DI Leach			554	03/18/21 10:22	SC	XM
Soluble	Analysis	300.0		1	563	03/18/21 14:25	WP	XM

Client Sample ID: AH5 (1'-2') Lab Sample ID: 880-400-8
Date Collected: 03/12/21 11:30 **Matrix: Solid**
Date Received: 03/15/21 13:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			484	03/15/21 13:54	MR	XM
Total/NA	Analysis	8021B		1	489	03/15/21 21:11	MR	XM
Total/NA	Prep	8015NM Prep			513	03/16/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	518	03/17/21 00:29	AM	XM
Soluble	Leach	DI Leach			554	03/18/21 10:22	SC	XM
Soluble	Analysis	300.0		1	563	03/18/21 14:30	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc.
Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Client Sample ID: AH5 (3'-4')
Date Collected: 03/12/21 12:00
Date Received: 03/15/21 13:04

Lab Sample ID: 880-400-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			484	03/15/21 13:54	MR	XM
Total/NA	Analysis	8021B		1	489	03/15/21 21:36	MR	XM
Total/NA	Prep	8015NM Prep			513	03/16/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	518	03/17/21 00:50	AM	XM
Soluble	Leach	DI Leach			554	03/18/21 10:22	SC	XM
Soluble	Analysis	300.0		1	563	03/18/21 15:58	WP	XM

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-400-1
Project/Site: Sharbro Federal #2 Battery

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Sharbro Federal #2 Battery

Job ID: 880-400-1

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: Sharbro Federal #2 Battery

Job ID: 880-400-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-400-1	AH3 (0'-1')	Solid	03/12/21 08:00	03/15/21 13:04	
880-400-2	AH3 (1'-2)	Solid	03/12/21 08:30	03/15/21 13:04	
880-400-3	AH3 (3'-4')	Solid	03/12/21 09:00	03/15/21 13:04	
880-400-4	AH4 (0'-1')	Solid	03/12/21 09:30	03/15/21 13:04	
880-400-5	AH4 (1'-2')	Solid	03/12/21 10:00	03/15/21 13:04	
880-400-6	AH4 (3'-4')	Solid	03/12/21 10:30	03/15/21 13:04	
880-400-7	AH5 (0'-1')	Solid	03/12/21 11:00	03/15/21 13:04	
880-400-8	AH5 (1'-2')	Solid	03/12/21 11:30	03/15/21 13:04	
880-400-9	AH5 (3'-4')	Solid	03/12/21 12:00	03/15/21 13:04	

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

880-400 Chain of Custody

Client Name:	EOG	**Site Manager:**	Paula TocoroAlonso
Project Name:	Myco Sharbo Fed #2	**Contact Info:**	Email: paula tocoroalonso@tetratech com Phone 432-741-5813
Project Location: (county, state)	Lea County New Mexico	**Project #:**	212c-md-02419
Invoice to:	Tetra Tech Inc		
Receiving Laboratory:	Eurofins	**Sampler Signature:**	Adrian Garcia
Comments:	Attn James Kennedy		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B / BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO DRO ORO MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	AH 3 (0'-1)	03/12/21	800		X				X		1	N	X		X												X					
	(1-2)	03/12/21	830		X				X		1	N	X		X												X					
	(3 -4')	03/12/21	900		X				X		1	N	X		X												X					
	AH 4 (0 -1)	03/12/21	930		X				X		1	N	X		X												X					
	(1-2)	03/12/21	1000		X				X		1	N	X		X												X					
	(3'-4)	03/12/21	1030		X				X		1	N	X		X												X					
	AH 5 (0'-1)	03/12/21	1100		X				X		1	N	X		X												X					
	(1-2')	03/12/21	1130		X				X		1	N	X		X												X					
	(3 -4')	03/12/21	1200		X				X		1	N	X		X												X					

Relinquished by	Date	Time	Received by	Date	Time
Adrian Garcia	3/15/21		[signature]	3/15/21	1804
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature 0.8/2.3

REMARKS:

- ☐ Standard
- ☒ RUSH Same Day 24 hr 48 hr (72 hr)
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-400-1
SDG Number:

Login Number: 400
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-506-1
Laboratory Sample Delivery Group: Lea County New Mexico
Client Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419 TASK:1

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
4/14/2021 4:47:08 PM

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

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419 TASK:1

Laboratory Job ID: 890-506-1
SDG: Lea County New Mexico

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

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
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc. Job ID: 890-506-1
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419 TASK SDG: Lea County New Mexico

Job ID: 890-506-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-506-1

Receipt
The samples were received on 4/8/2021 3:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C

Receipt Exceptions
The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: SW-1 (890-506-1), SW-2 (890-506-2), SW-3 (890-506-3) and SW-4 (890-506-4).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-1 (890-506-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-4 (890-506-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-1597 and analytical batch 880-1612 recovered outside control limits for the following analytes: < Diesel Range Organics (Over C10-C28)>.

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

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

Client Sample ID: SW-1

Date Collected: 04/08/21 00:00
Date Received: 04/08/21 15:45

Lab Sample ID: 890-506-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00253**		0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/12/21 10:51	04/13/21 15:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/12/21 10:51	04/13/21 15:37	1
Total BTEX	**0.00253**		0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*04/12/21 10:51*	*04/13/21 15:37*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*04/12/21 10:51*	*04/13/21 15:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/09/21 15:09	04/11/21 05:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		04/09/21 15:09	04/11/21 05:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 15:09	04/11/21 05:19	1
Total TPH	<49.9	U	49.9		mg/Kg		04/09/21 15:09	04/11/21 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*04/09/21 15:09*	*04/11/21 05:19*	*1*
o-Terphenyl	*79*		*70 - 130*	*04/09/21 15:09*	*04/11/21 05:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.0**		4.97		mg/Kg			04/13/21 21:54	1

Client Sample ID: SW-2

Date Collected: 04/08/21 00:00
Date Received: 04/08/21 15:45

Lab Sample ID: 890-506-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/12/21 10:51	04/13/21 15:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/12/21 10:51	04/13/21 15:58	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/12/21 10:51*	*04/13/21 15:58*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/12/21 10:51*	*04/13/21 15:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**527**		50.1		mg/Kg		04/09/21 15:09	04/11/21 05:40	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

Client Sample ID: SW-2

Date Collected: 04/08/21 00:00
Date Received: 04/08/21 15:45

Lab Sample ID: 890-506-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		04/09/21 15:09	04/11/21 05:40	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/09/21 15:09	04/11/21 05:40	1
Total TPH	**527**		50.1		mg/Kg		04/09/21 15:09	04/11/21 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*04/09/21 15:09*	*04/11/21 05:40*	*1*
o-Terphenyl	*77*		*70 - 130*	*04/09/21 15:09*	*04/11/21 05:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.9**		4.97		mg/Kg			04/13/21 22:00	1

Client Sample ID: SW-3

Date Collected: 04/08/21 00:00
Date Received: 04/08/21 15:45

Lab Sample ID: 890-506-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/12/21 10:51	04/13/21 17:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/12/21 10:51	04/13/21 17:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/12/21 10:51	04/13/21 17:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/12/21 10:51	04/13/21 17:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/12/21 10:51	04/13/21 17:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/12/21 10:51	04/13/21 17:21	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/12/21 10:51	04/13/21 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/12/21 10:51*	*04/13/21 17:21*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*04/12/21 10:51*	*04/13/21 17:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**58.1**		50.0		mg/Kg		04/12/21 11:06	04/12/21 17:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/12/21 11:06	04/12/21 17:04	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/12/21 11:06	04/12/21 17:04	1
Total TPH	**58.1**		50.0		mg/Kg		04/12/21 11:06	04/12/21 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/12/21 11:06*	*04/12/21 17:04*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/12/21 11:06*	*04/12/21 17:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.5**		4.98		mg/Kg			04/13/21 22:05	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

Client Sample ID: SW-4

Date Collected: 04/08/21 00:00
Date Received: 04/08/21 15:45

Lab Sample ID: 890-506-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 17:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 17:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 17:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/12/21 10:51	04/13/21 17:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 17:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/12/21 10:51	04/13/21 17:41	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/12/21 10:51*	*04/13/21 17:41*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/12/21 10:51*	*04/13/21 17:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/12/21 11:06	04/12/21 17:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/12/21 11:06	04/12/21 17:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/12/21 11:06	04/12/21 17:25	1
Total TPH	<49.9	U	49.9		mg/Kg		04/12/21 11:06	04/12/21 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/12/21 11:06*	*04/12/21 17:25*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/12/21 11:06*	*04/12/21 17:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.4**		4.96		mg/Kg			04/13/21 22:22	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

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)
890-506-1	SW-1	138 S1+	125
890-506-2	SW-2	97	107
890-506-3	SW-3	95	115
890-506-4	SW-4	111	103
LCS 880-1647/1-A	Lab Control Sample	92	108
LCSD 880-1647/2-A	Lab Control Sample Dup	95	122
MB 880-1647/5-A	Method Blank	110	102

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)
890-506-1	SW-1	85	79
890-506-2	SW-2	84	77
890-506-3	SW-3	97	100
890-506-4	SW-4	106	105
LCS 880-1597/2-A	Lab Control Sample	96	90
LCS 880-1660/2-A	Lab Control Sample	114	112
LCSD 880-1597/3-A	Lab Control Sample Dup	100	93
LCSD 880-1660/3-A	Lab Control Sample Dup	110	107
MB 880-1597/1-A	Method Blank	107	109
MB 880-1660/1-A	Method Blank	104	118

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1647/5-A
Matrix: Solid
Analysis Batch: 1703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/12/21 10:51	04/13/21 12:30	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/12/21 10:51	04/13/21 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/12/21 10:51*	*04/13/21 12:30*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/12/21 10:51*	*04/13/21 12:30*	*1*

Lab Sample ID: LCS 880-1647/1-A
Matrix: Solid
Analysis Batch: 1703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08849		mg/Kg		88	70 - 130
Toluene	0.100	0.09231		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08971		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1760		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08845		mg/Kg		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-1647/2-A
Matrix: Solid
Analysis Batch: 1703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08942		mg/Kg		89	70 - 130	1	35
Toluene	0.100	0.09647		mg/Kg		96	70 - 130	4	35
Ethylbenzene	0.100	0.08565		mg/Kg		86	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1766		mg/Kg		88	70 - 130	0	35
o-Xylene	0.100	0.08744		mg/Kg		87	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-1597/1-A
Matrix: Solid
Analysis Batch: 1612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/09/21 15:09	04/10/21 21:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/09/21 15:09	04/10/21 21:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 15:09	04/10/21 21:36	1
Total TPH	<50.0	U	50.0		mg/Kg		04/09/21 15:09	04/10/21 21:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/09/21 15:09*	*04/10/21 21:36*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/09/21 15:09*	*04/10/21 21:36*	*1*

Lab Sample ID: LCS 880-1597/2-A
Matrix: Solid
Analysis Batch: 1612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1107		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	933.6		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: LCSD 880-1597/3-A
Matrix: Solid
Analysis Batch: 1612

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1597

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1249		mg/Kg		125	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1172	*1	mg/Kg		117	70 - 130	23	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: MB 880-1660/1-A
Matrix: Solid
Analysis Batch: 1662

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1660

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/12/21 11:06	04/12/21 12:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/12/21 11:06	04/12/21 12:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/12/21 11:06	04/12/21 12:28	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-1660/1-A
Matrix: Solid
Analysis Batch: 1662

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1660

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg		04/12/21 11:06	04/12/21 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/12/21 11:06*	*04/12/21 12:28*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/12/21 11:06*	*04/12/21 12:28*	*1*

Lab Sample ID: LCS 880-1660/2-A
Matrix: Solid
Analysis Batch: 1662

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1660

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1182		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1199		mg/Kg		120	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: LCSD 880-1660/3-A
Matrix: Solid
Analysis Batch: 1662

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1660

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1186		mg/Kg		119	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1170		mg/Kg		117	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1722/1-A
Matrix: Solid
Analysis Batch: 1753

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			04/13/21 21:15	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-1722/2-A
Matrix: Solid
Analysis Batch: 1753

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	249.8		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-1722/3-A
Matrix: Solid
Analysis Batch: 1753

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	248.8		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 1647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-506-1	SW-1	Total/NA	Solid	5035	
890-506-2	SW-2	Total/NA	Solid	5035	
890-506-3	SW-3	Total/NA	Solid	5035	
890-506-4	SW-4	Total/NA	Solid	5035	
MB 880-1647/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1647/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1647/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 1703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-506-1	SW-1	Total/NA	Solid	8021B	1647
890-506-2	SW-2	Total/NA	Solid	8021B	1647
890-506-3	SW-3	Total/NA	Solid	8021B	1647
890-506-4	SW-4	Total/NA	Solid	8021B	1647
MB 880-1647/5-A	Method Blank	Total/NA	Solid	8021B	1647
LCS 880-1647/1-A	Lab Control Sample	Total/NA	Solid	8021B	1647
LCSD 880-1647/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1647

GC Semi VOA

Prep Batch: 1597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-506-1	SW-1	Total/NA	Solid	8015NM Prep	
890-506-2	SW-2	Total/NA	Solid	8015NM Prep	
MB 880-1597/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1597/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-506-1	SW-1	Total/NA	Solid	8015B NM	1597
890-506-2	SW-2	Total/NA	Solid	8015B NM	1597
MB 880-1597/1-A	Method Blank	Total/NA	Solid	8015B NM	1597
LCS 880-1597/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1597
LCSD 880-1597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1597

Prep Batch: 1660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-506-3	SW-3	Total/NA	Solid	8015NM Prep	
890-506-4	SW-4	Total/NA	Solid	8015NM Prep	
MB 880-1660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-506-3	SW-3	Total/NA	Solid	8015B NM	1660
890-506-4	SW-4	Total/NA	Solid	8015B NM	1660
MB 880-1660/1-A	Method Blank	Total/NA	Solid	8015B NM	1660
LCS 880-1660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1660

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 1662 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-1660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1660

HPLC/IC

Leach Batch: 1722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-506-1	SW-1	Soluble	Solid	DI Leach	
890-506-2	SW-2	Soluble	Solid	DI Leach	
890-506-3	SW-3	Soluble	Solid	DI Leach	
890-506-4	SW-4	Soluble	Solid	DI Leach	
MB 880-1722/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1722/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1722/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 1753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-506-1	SW-1	Soluble	Solid	300.0	1722
890-506-2	SW-2	Soluble	Solid	300.0	1722
890-506-3	SW-3	Soluble	Solid	300.0	1722
890-506-4	SW-4	Soluble	Solid	300.0	1722
MB 880-1722/1-A	Method Blank	Soluble	Solid	300.0	1722
LCS 880-1722/2-A	Lab Control Sample	Soluble	Solid	300.0	1722
LCSD 880-1722/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1722

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-506-1
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419 SDG: Lea County New Mexico
TASK:1

Client Sample ID: SW-1 Lab Sample ID: 890-506-1

Date Collected: 04/08/21 00:00 **Matrix: Solid**
Date Received: 04/08/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1647	04/12/21 10:51	KL	XM
Total/NA	Analysis	8021B		1	1703	04/13/21 15:37	KL	XM
Total/NA	Prep	8015NM Prep			1597	04/09/21 15:09	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/11/21 05:19	AJ	XM
Soluble	Leach	DI Leach			1722	04/13/21 16:50	SC	XM
Soluble	Analysis	300.0		1	1753	04/13/21 21:54	CH	XM

Client Sample ID: SW-2 Lab Sample ID: 890-506-2

Date Collected: 04/08/21 00:00 **Matrix: Solid**
Date Received: 04/08/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1647	04/12/21 10:51	KL	XM
Total/NA	Analysis	8021B		1	1703	04/13/21 15:58	KL	XM
Total/NA	Prep	8015NM Prep			1597	04/09/21 15:09	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/11/21 05:40	AJ	XM
Soluble	Leach	DI Leach			1722	04/13/21 16:50	SC	XM
Soluble	Analysis	300.0		1	1753	04/13/21 22:00	CH	XM

Client Sample ID: SW-3 Lab Sample ID: 890-506-3

Date Collected: 04/08/21 00:00 **Matrix: Solid**
Date Received: 04/08/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1647	04/12/21 10:51	KL	XM
Total/NA	Analysis	8021B		1	1703	04/13/21 17:21	KL	XM
Total/NA	Prep	8015NM Prep			1660	04/12/21 11:06	DM	XM
Total/NA	Analysis	8015B NM		1	1662	04/12/21 17:04	AJ	XM
Soluble	Leach	DI Leach			1722	04/13/21 16:50	SC	XM
Soluble	Analysis	300.0		1	1753	04/13/21 22:05	CH	XM

Client Sample ID: SW-4 Lab Sample ID: 890-506-4

Date Collected: 04/08/21 00:00 **Matrix: Solid**
Date Received: 04/08/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1647	04/12/21 10:51	KL	XM
Total/NA	Analysis	8021B		1	1703	04/13/21 17:41	KL	XM
Total/NA	Prep	8015NM Prep			1660	04/12/21 11:06	DM	XM
Total/NA	Analysis	8015B NM		1	1662	04/12/21 17:25	AJ	XM
Soluble	Leach	DI Leach			1722	04/13/21 16:50	SC	XM
Soluble	Analysis	300.0		1	1753	04/13/21 22:22	CH	XM

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Job ID: 890-506-1
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419
SDG: Lea County New Mexico
TASK:1

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: Tetra Tech, Inc. Job ID: 890-506-1
Project/Site: Myco Sharbor Fed #2 Battery 212C-MD-02419 SDG: Lea County New Mexico
TASK:1

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: Myco Sharbor Fed #2 Battery 212C-MD-02419
TASK:1

Job ID: 890-506-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-506-1	SW-1	Solid	04/08/21 00:00	04/08/21 15:45	
890-506-2	SW-2	Solid	04/08/21 00:00	04/08/21 15:45	
890-506-3	SW-3	Solid	04/08/21 00:00	04/08/21 15:45	
890-506-4	SW-4	Solid	04/08/21 00:00	04/08/21 15:45	

506

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

890-506 Chain of Custody

Page 1 of 1

Client Name: EOG Resources	**Site Manager:** Paula Tocora
Project Name: Myco Sharbor Fed #2 Battery	
Project Location: (county, state) Lea County, New Mexico	**Project #:** 212C-MD-02419 TASK: 1200
Invoice to: James Kennedy	
Receiving Laboratory: Xenco	**Sampler Signature:**
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None		# CONTAINERS	FILTERED (Y/N)
	SW-1	4/8/2021			X				X				
	SW-2	4/8/2021			X				X				
	SW-3	4/8/2021			X				X				
	SW-4	4/8/2021			X				X				

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

Relinquished by: Date: 4/8/21 Time:
Received by: Date: 4.8.21 Time: 1545

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

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

LAB USE ONLY
Sample Temperature
4.4
4.2

REMARKS:
☐ STANDARD
☒ RUSH: Same Day 24 hr 48 hr (72 hr)
☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-156 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-506-1
Address: 1211 W Florida Ave	Due Date Requested: 4/14/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Myco Sharbor Fed #2 Battery	Project #: 88000013			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total Number of containers	Special Instructions/Note.
			Preservation Code:								
SW-1 (890-506-1)	4/8/21	Mountain		Solid			X	X	X	1	
SW-2 (890-506-2)	4/8/21	Mountain		Solid			X	X	X	1	
SW-3 (890-506-3)	4/8/21	Mountain		Solid			X	X	X	1	
SW-4 (890-506-4)	4/8/21	Mountain		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Clive Coffee 4.9.21				4-9-21 2:10 pm	
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-506-1
SDG Number: Lea County New Mexico

Login Number: 506
List Number: 1
Creator: Ordonez, Gabby

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-506-1
SDG Number: Lea County New Mexico

Login Number: 506
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 04/09/21 02:46 PM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-763-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Sharbo Federal #2 Battery
Revision: 1

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
4/6/2021 5:30:32 PM

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

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Laboratory Job ID: 880-763-1
SDG: Lea County NM

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-763-1
Project/Site: Sharbo Federal #2 Battery SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Job ID: 880-763-1
SDG: Lea County NM

Job ID: 880-763-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-763-1

REVISION

The report being provided is a revision of the original report sent on 4/5/2021. The report (revision 1) is being revised due to Reviewing dilutions for chloride.

Report revision history

Receipt
The sample was received on 3/26/2021 3:38 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 1.0°C

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Job ID: 880-763-1
SDG: Lea County NM

Client Sample ID: BH-1 1'

Date Collected: 03/25/21 00:00
Date Received: 03/26/21 15:38

Lab Sample ID: 880-763-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+ *1	0.00199		mg/Kg		03/27/21 11:43	03/27/21 19:26	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		03/27/21 11:43	03/27/21 19:26	1
Toluene	<0.00199	U *+ *1	0.00199		mg/Kg		03/27/21 11:43	03/27/21 19:26	1
Total BTEX	<0.00199	U *+ *1	0.00199		mg/Kg		03/27/21 11:43	03/27/21 19:26	1
Xylenes, Total	<0.00398	U *+ *1	0.00398		mg/Kg		03/27/21 11:43	03/27/21 19:26	1
m-Xylene & p-Xylene	<0.00398	U *+ *1	0.00398		mg/Kg		03/27/21 11:43	03/27/21 19:26	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		03/27/21 11:43	03/27/21 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*03/27/21 11:43*	*03/27/21 19:26*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*03/27/21 11:43*	*03/27/21 19:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/27/21 14:37	03/28/21 19:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/27/21 14:37	03/28/21 19:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/27/21 14:37	03/28/21 19:15	1
Total TPH	<50.0	U	50.0		mg/Kg		03/27/21 14:37	03/28/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*03/27/21 14:37*	*03/28/21 19:15*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/27/21 14:37*	*03/28/21 19:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**362**		4.99		mg/Kg			04/01/21 18:41	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Job ID: 880-763-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-763-1	BH-1 1'	122	83
880-763-1 MS	BH-1 1'	125	103
880-763-1 MSD	BH-1 1'	121	104
LCS 880-952/1-A	Lab Control Sample	277 S1+	270 S1+
LCSD 880-952/2-A	Lab Control Sample Dup	115	97
MB 880-952/5-A	Method Blank	78	84

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-763-1	BH-1 1'	91	89
LCS 880-957/2-A	Lab Control Sample	120	113
LCSD 880-957/3-A	Lab Control Sample Dup	105	98
MB 880-957/1-A	Method Blank	99	104

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Job ID: 880-763-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-952/5-A
Matrix: Solid
Analysis Batch: 960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 952

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/27/21 11:43	03/27/21 19:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/27/21 11:43	03/27/21 19:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/27/21 11:43	03/27/21 19:00	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/27/21 11:43	03/27/21 19:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/27/21 11:43	03/27/21 19:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/27/21 11:43	03/27/21 19:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/27/21 11:43	03/27/21 19:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*03/27/21 11:43*	*03/27/21 19:00*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/27/21 11:43*	*03/27/21 19:00*	*1*

Lab Sample ID: LCS 880-952/1-A
Matrix: Solid
Analysis Batch: 960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 952

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.2674	*+	mg/Kg		267	70 - 130
Ethylbenzene	0.100	0.2618	*+	mg/Kg		262	70 - 130
Toluene	0.100	0.2433	*+	mg/Kg		243	70 - 130
m-Xylene & p-Xylene	0.200	0.5243	*+	mg/Kg		262	70 - 130
o-Xylene	0.100	0.2746	*+	mg/Kg		275	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*277*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*270*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-952/2-A
Matrix: Solid
Analysis Batch: 960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 952

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1032	*1	mg/Kg		103	70 - 130	89	35
Ethylbenzene	0.100	0.1012	*1	mg/Kg		101	70 - 130	88	35
Toluene	0.100	0.1024	*1	mg/Kg		102	70 - 130	81	35
m-Xylene & p-Xylene	0.200	0.2005	*1	mg/Kg		100	70 - 130	89	35
o-Xylene	0.100	0.1065	*1	mg/Kg		107	70 - 130	88	35

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

Lab Sample ID: 880-763-1 MS
Matrix: Solid
Analysis Batch: 960

Client Sample ID: BH-1 1'
Prep Type: Total/NA
Prep Batch: 952

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U *+ *1	0.0998	0.1010		mg/Kg		101	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Job ID: 880-763-1
SDG: Lea County NM

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

Lab Sample ID: 880-763-1 MS
Matrix: Solid
Analysis Batch: 960

Client Sample ID: BH-1 1'
Prep Type: Total/NA
Prep Batch: 952

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U *+ *1	0.0998	0.1031		mg/Kg		103	70 - 130
Toluene	<0.00199	U *+ *1	0.0998	0.1093		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00398	U *+ *1	0.200	0.2044		mg/Kg		102	70 - 130
o-Xylene	<0.00199	U *+ *1	0.0998	0.1066		mg/Kg		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-763-1 MSD
Matrix: Solid
Analysis Batch: 960

Client Sample ID: BH-1 1'
Prep Type: Total/NA
Prep Batch: 952

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U *+ *1	0.0996	0.09960		mg/Kg		100	70 - 130	1	35
Ethylbenzene	<0.00199	U *+ *1	0.0996	0.09827		mg/Kg		99	70 - 130	5	35
Toluene	<0.00199	U *+ *1	0.0996	0.09470		mg/Kg		95	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U *+ *1	0.199	0.1950		mg/Kg		98	70 - 130	5	35
o-Xylene	<0.00199	U *+ *1	0.0996	0.1022		mg/Kg		103	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 880-957/1-A
Matrix: Solid
Analysis Batch: 967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 957

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		03/27/21 14:37	03/28/21 11:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/27/21 14:37	03/28/21 11:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/27/21 14:37	03/28/21 11:53	1
Total TPH	<50.0	U	50.0		mg/Kg		03/27/21 14:37	03/28/21 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/27/21 14:37*	*03/28/21 11:53*	*1*
o-Terphenyl	*104*		*70 - 130*	*03/27/21 14:37*	*03/28/21 11:53*	*1*

Lab Sample ID: LCS 880-957/2-A
Matrix: Solid
Analysis Batch: 967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1244		mg/Kg		124	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Job ID: 880-763-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-957/2-A
Matrix: Solid
Analysis Batch: 967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 957

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000	1165		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: LCSD 880-957/3-A
Matrix: Solid
Analysis Batch: 967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 957

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1230		mg/Kg		123	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	992.9		mg/Kg		99	70 - 130	16	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1161/1-A
Matrix: Solid
Analysis Batch: 1208

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			04/01/21 16:06	1

Lab Sample ID: LCS 880-1161/2-A
Matrix: Solid
Analysis Batch: 1208

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	271.7		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-1161/3-A
Matrix: Solid
Analysis Batch: 1208

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	272.0		mg/Kg		109	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Job ID: 880-763-1
SDG: Lea County NM

GC VOA

Prep Batch: 952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-763-1	BH-1 1'	Total/NA	Solid	5035	
MB 880-952/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-952/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-952/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-763-1 MS	BH-1 1'	Total/NA	Solid	5035	
880-763-1 MSD	BH-1 1'	Total/NA	Solid	5035	

Analysis Batch: 960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-763-1	BH-1 1'	Total/NA	Solid	8021B	952
MB 880-952/5-A	Method Blank	Total/NA	Solid	8021B	952
LCS 880-952/1-A	Lab Control Sample	Total/NA	Solid	8021B	952
LCSD 880-952/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	952
880-763-1 MS	BH-1 1'	Total/NA	Solid	8021B	952
880-763-1 MSD	BH-1 1'	Total/NA	Solid	8021B	952

GC Semi VOA

Prep Batch: 957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-763-1	BH-1 1'	Total/NA	Solid	8015NM Prep	
MB 880-957/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-957/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-957/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-763-1	BH-1 1'	Total/NA	Solid	8015B NM	957
MB 880-957/1-A	Method Blank	Total/NA	Solid	8015B NM	957
LCS 880-957/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	957
LCSD 880-957/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	957

HPLC/IC

Leach Batch: 1161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-763-1	BH-1 1'	Soluble	Solid	DI Leach	
MB 880-1161/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1161/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1161/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 1208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-763-1	BH-1 1'	Soluble	Solid	300.0	1161
MB 880-1161/1-A	Method Blank	Soluble	Solid	300.0	1161
LCS 880-1161/2-A	Lab Control Sample	Soluble	Solid	300.0	1161
LCSD 880-1161/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1161

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Job ID: 880-763-1
SDG: Lea County NM

Client Sample ID: BH-1 1'

Date Collected: 03/25/21 00:00
Date Received: 03/26/21 15:38

Lab Sample ID: 880-763-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			952	03/27/21 11:43	MR	XM
Total/NA	Analysis	8021B		1	960	03/27/21 19:26	MR	XM
Total/NA	Prep	8015NM Prep			957	03/27/21 14:37	DM	XM
Total/NA	Analysis	8015B NM		1	967	03/28/21 19:15	AJ	XM
Soluble	Leach	DI Leach			1161	04/01/21 11:20	SC	XM
Soluble	Analysis	300.0		1	1208	04/01/21 18:41	AJ	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-763-1
Project/Site: Sharbo Federal #2 Battery SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: Tetra Tech, Inc. Job ID: 880-763-1
Project/Site: Sharbo Federal #2 Battery SDG: Lea County NM

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Sharbo Federal #2 Battery

Job ID: 880-763-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-763-1	BH-1 1'	Solid	03/25/21 00:00	03/26/21 15:38	

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

880-763 Chain of Custody

Page 1 of 1

880-763

4/6/2021 (Rev. 1)

Client Name	Site Manager: Paula Tocora Alonso
Project Name: Sharbro Federal #2 Battery	
Project Location (county, state): Lea Co, NM	Project #: 212C-MD-02419
Invoice to: EOG- Attn: James Kennedy	
Receiving Laboratory	Sampler Signature: Adrian Garcia
Comments	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)
	BH-1 1'	3/25/2021			X				X			1	N

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Carlos Tomlinson	Date: 3/26/21	Time: 1538	Received by: [signature] Date: 3/26/21 Time: 1538
Relinquished by	Date	Time	Received by Date Time
Relinquished by	Date	Time	Received by: Date Time

LAB USE ONLY

Sample Temperature: 0.5/1.0

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-763-1
SDG Number: Lea County NM

Login Number: 763
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-1650-1
Laboratory Sample Delivery Group: Lea County, NM
Client Project/Site: Myco Sharbro Fed. #2

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
4/29/2021 10:10:31 AM

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

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

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

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Laboratory Job ID: 880-1650-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-1650-1
Project/Site: Myco Sharbro Fed. #2 SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

Job ID: 880-1650-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1650-1

Comments
No additional comments.

Receipt
The sample was received on 4/27/2021 3:30 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 was 5.7º C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-2384 and analytical batch 880-2381 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: SW-2 (880-1650-1). The sample(s) shows evidence of matrix interference.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

Client Sample ID: SW-2

Date Collected: 04/20/21 00:00
Date Received: 04/27/21 15:30

Lab Sample ID: 880-1650-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 16:00	04/28/21 12:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 16:00	04/28/21 12:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 16:00	04/28/21 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 16:00	04/28/21 12:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 16:00	04/28/21 12:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 16:00	04/28/21 12:22	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 16:00	04/28/21 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*04/27/21 16:00*	*04/28/21 12:22*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/27/21 16:00*	*04/28/21 12:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 *+	49.9		mg/Kg		04/27/21 16:50	04/28/21 19:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 16:50	04/28/21 19:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 16:50	04/28/21 19:04	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 16:50	04/28/21 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/27/21 16:50*	*04/28/21 19:04*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/27/21 16:50*	*04/28/21 19:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/27/21 22:48	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)								
880-1650-1	SW-2	119	96								
LCS 880-2384/1-A	Lab Control Sample	98	105								
LCSD 880-2384/2-A	Lab Control Sample Dup	97	105								
MB 880-2384/5-A	Method Blank	101	103								

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-1650-1	SW-2	109	92								
LCS 880-2377/2-A	Lab Control Sample	130	113								
LCSD 880-2377/3-A	Lab Control Sample Dup	110	100								
MB 880-2377/1-A	Method Blank	114	108								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2384/5-A
Matrix: Solid
Analysis Batch: 2381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:00	04/28/21 11:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:00	04/28/21 11:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:00	04/28/21 11:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 13:00	04/28/21 11:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:00	04/28/21 11:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 13:00	04/28/21 11:12	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 13:00	04/28/21 11:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/27/21 13:00*	*04/28/21 11:12*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/27/21 13:00*	*04/28/21 11:12*	*1*

Lab Sample ID: LCS 880-2384/1-A
Matrix: Solid
Analysis Batch: 2381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2384

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08005		mg/Kg		80	70 - 130		
Toluene			0.100	0.08346		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.08929		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1794		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.09000		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-2384/2-A
Matrix: Solid
Analysis Batch: 2381

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2384

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08003		mg/Kg		80	70 - 130	0	35
Toluene			0.100	0.08162		mg/Kg		82	70 - 130	2	35
Ethylbenzene			0.100	0.08730		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1747		mg/Kg		87	70 - 130	3	35
o-Xylene			0.100	0.08757		mg/Kg		88	70 - 130	3	35

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

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-1650-1
Project/Site: Myco Sharbro Fed. #2 SDG: Lea County, NM

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

Lab Sample ID: MB 880-2377/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2425 **Prep Batch: 2377**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/21 10:20	04/28/21 10:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:20	04/28/21 10:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:20	04/28/21 10:35	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:20	04/28/21 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/27/21 10:20*	*04/28/21 10:35*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/27/21 10:20*	*04/28/21 10:35*	*1*

Lab Sample ID: LCS 880-2377/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2425 **Prep Batch: 2377**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1476	*+	mg/Kg		148	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1231		mg/Kg		123	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: LCSD 880-2377/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2425 **Prep Batch: 2377**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1178	*1	mg/Kg		118	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	1000	1020		mg/Kg		102	70 - 130	19	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2411/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/27/21 22:32	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-2411/2-A
Matrix: Solid
Analysis Batch: 2416

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	256.6		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-2411/3-A
Matrix: Solid
Analysis Batch: 2416

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	252.4		mg/Kg		101	90 - 110	2	20

Lab Sample ID: 880-1650-1 MS
Matrix: Solid
Analysis Batch: 2416

Client Sample ID: SW-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	<5.00	U	250	259.0		mg/Kg		104	90 - 110		

Lab Sample ID: 880-1650-1 MSD
Matrix: Solid
Analysis Batch: 2416

Client Sample ID: SW-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<5.00	U	250	254.4		mg/Kg		102	90 - 110	2	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 2381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1650-1	SW-2	Total/NA	Solid	8021B	2384
MB 880-2384/5-A	Method Blank	Total/NA	Solid	8021B	2384
LCS 880-2384/1-A	Lab Control Sample	Total/NA	Solid	8021B	2384
LCSD 880-2384/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2384

Prep Batch: 2384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1650-1	SW-2	Total/NA	Solid	5035	
MB 880-2384/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2384/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2384/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 2377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1650-1	SW-2	Total/NA	Solid	8015NM Prep	
MB 880-2377/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2377/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2377/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1650-1	SW-2	Total/NA	Solid	8015B NM	2377
MB 880-2377/1-A	Method Blank	Total/NA	Solid	8015B NM	2377
LCS 880-2377/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2377
LCSD 880-2377/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2377

HPLC/IC

Leach Batch: 2411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1650-1	SW-2	Soluble	Solid	DI Leach	
MB 880-2411/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2411/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2411/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1650-1 MS	SW-2	Soluble	Solid	DI Leach	
880-1650-1 MSD	SW-2	Soluble	Solid	DI Leach	

Analysis Batch: 2416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1650-1	SW-2	Soluble	Solid	300.0	2411
MB 880-2411/1-A	Method Blank	Soluble	Solid	300.0	2411
LCS 880-2411/2-A	Lab Control Sample	Soluble	Solid	300.0	2411
LCSD 880-2411/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2411
880-1650-1 MS	SW-2	Soluble	Solid	300.0	2411
880-1650-1 MSD	SW-2	Soluble	Solid	300.0	2411

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

Client Sample ID: SW-2

Date Collected: 04/20/21 00:00
Date Received: 04/27/21 15:30

Lab Sample ID: 880-1650-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2384	04/27/21 16:00	KL	XM
Total/NA	Analysis	8021B		1	2381	04/28/21 12:22	MR	XM
Total/NA	Prep	8015NM Prep			2377	04/27/21 16:50	DM	XM
Total/NA	Analysis	8015B NM		1	2425	04/28/21 19:04	AJ	XM
Soluble	Leach	DI Leach			2411	04/27/21 17:28	SC	XM
Soluble	Analysis	300.0		1	2416	04/27/21 22:48	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: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Myco Sharbro Fed. #2

Job ID: 880-1650-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1650-1	SW-2	Solid	04/20/21 00:00	04/27/21 15:30	

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

880-1650 Chain of Custody

Fax (432) 682-3946

Page 1 of 4

4/29/2021

880-1650

Client Name: EOG	Site Manager: Paula Tocora
Project Name: Myco Sharbro Fed #2	
Project Location (county, state): Lea County, New Mexico	Project #: 212C-MD-02419
Invoice to: EOG, Attention James Kennedy	
Receiving Laboratory: Eurofins Xenco	Sampler Signature: Colton Bickerstaff
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)
	SW-2	4/20/2021			X				X		1	

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Colton Bickerstaff	Date: 4/27/21	Time: 15:30	Received by: [signature] Date: 4/27/2 Time: 1530
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature: 5.2 | 5.7 +0.5

REMARKS

[X] RUSH Same Day (24 hr) 48 hr 72 hr

[ ] Rush Charges Authorized

[ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-1650-1
SDG Number: Lea County, NM

Login Number: 1650
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	

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

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 56131
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	11/1/2021