

SITE INFORMATION

Report Type: Closure Report cBZL2132345981

General Site Information:

Site:	Medano VA State #17					
Company:	EOG Resources					
Section, Township and Range	Unit D	Sec. 16	T 23S	R 31E		
Lease Number:						
County:	Eddy County					
GPS:	32.310199			-103.790327		
Surface Owner:	State					
Mineral Owner:						
Directions:	From intersection 128 and Wipp Rd, travel Southeast on 128 for 3.25 miles. Turn left onto lease road, follow for 0.97 miles. Turn left onto lease road, follow for 0.58 miles to location.					

Release Data:

Date Released:	11/17/2021
Type Release:	Oil & Produced Water
Source of Contamination:	Wellhead
Fluid Released:	Unknown
Fluids Recovered:	Unknown

Official Communication:

Name:	James Kennedy		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr.		901 W. Wall St.
			Ste 100
City:	Midland, Texas, 79706		Midland, Texas, 79701
Phone number:	(432) 258-4346		(432) 682-4559
Fax:			
Email:	James_Kennedy@eogresources.com		clair.gonzales@tetrattech.com

Site Characterization

Depth to Groundwater:	128.64'
Karst Potential:	Low

Recommended Remedial Action Levels (RRALs)

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

March 8, 2022

New Mexico State Land Office
P.O. Box 1148
Santa Fe, New Mexico 87504

**RE: Closure Report
EOG Resources
Medano VA State #17
Lea County, New Mexico
cBZL2132345981**

State Land Office:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Medano VA State #17, Unit D, Section 16, Township 23 South, Range 31 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.310199°, -103.790327°. The site location is shown on **Figures 1 and 2**.

Background

On November 17, 2021, the New Mexico State Land Office (SLO) reported a notice of violation (cBZL2132345981) to EOG regarding the visible impact within the stuffing box at the Medano VA State #17. The exact release date(s) are unknown, but according to Tetra Tech assessment and remediation activities, the release appeared to be contained to the pad area. The SLO notice of violation and the C-141 is shown in **Appendix A**.

Site Characterization

Significant Water Features

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

Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within an incorporated municipal boundaries, defined municipal fresh water well field, or a school district. Additionally, there were no occupied

permanent residences, schools, hospitals, institution, or churches located within the specified distances of the lateral extents of the release.

Groundwater Assessment

Groundwater research was completed for the site through the USGS (United States Geological Survey) National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Groundwater research conducted through these two resources, show the two closest water wells within a 2 mile radius of the Site. The well reported on the USGS National Water Information System reports a total depth of 354 ft bgs with water level measured at 128.64 ft bgs and is approximately 1.07 miles southwest of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 135 ft bgs and measured water level of 85 ft bgs and is approximately 1.62 miles of the Site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
1.07 Miles	1/16/2013	USGS	354'	128.64'
1.62 Miles	N/A	NMOSE	135'	85'

Regulatory

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

Tetra Tech Remediation Activities

Tetra Tech conducted remediation activities from February 13, 2022 to March 3, 2022. The areas of impact were remediated to depths ranging from 0.5 ft bgs to 1.25 ft bgs. The remediation areas and depths are shown on **Figure 3**.

Following remediation activities, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the remediation area of the pad. A total of thirty-two (32) bottom holes were collected and a total of seven (7) sidewalls were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to the Eurofins Laboratory in Midland, Texas and the Cardinal Laboratory in Hobbs, New Mexico to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The

analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix C**.

Regarding all samples collected from the remediation on the pad, analytical results indicated benzene and BTEX concentrations were below the laboratory detection limits. Additionally, analytical results indicated TPH and chloride concentrations were below the determined RRALs.

Conclusions

Based on a SLO notice of violation (cBZL2132345981), Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the *OCD Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, and according to the groundwater data found during research activities, the RRALs of 600 mg/kg for chlorides and 100 mg/kg for TPH were followed. Based on Tetra Tech assessment activities, laboratory results indicated TPH and chloride concentrations exceeded the RRALs and required remediation.

Following remediation of the areas of impact, Tetra Tech conducted confirmation soil sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples to ensure the impacted soil was fully removed. The analytical results indicated all confirmation samples in the area of the pad reported below the RRALs for all constituents. Based on this information, it is recommended that the remediated pad at this Site requires no further action. The final C-141 is included in **Appendix A**.

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

Respectfully submitted,
TETRA TECH



Brittany Long,
Project Manager



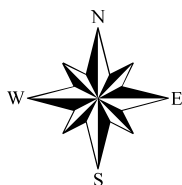
Clair Gonzales, P.G.
Senior Project Manager



Figures



▲ SITE LOCATION



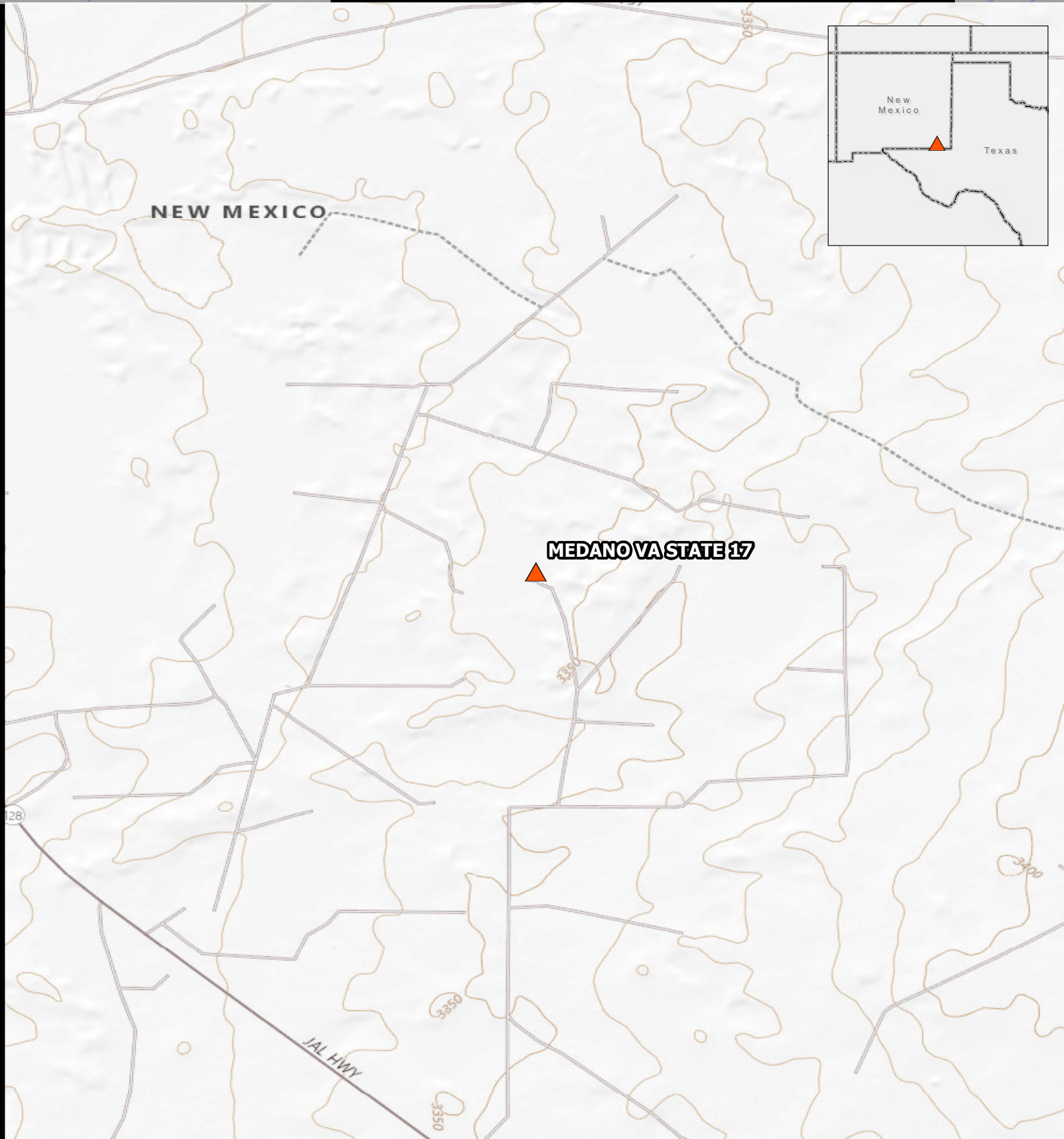
0 10,000 20,000 Feet
Approximate Scale

OVERVIEW MAP
MEDANO VA STATE 17
Property located at coordinates 32.3102025°, -103.7903782°
EDDY COUNTY, NEW MEXICO

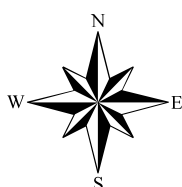


Project #:
212C-MD-02664

FIGURE
1



▲ SITE LOCATION



0 1,000 2,000 Feet
Approximate Scale

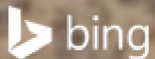
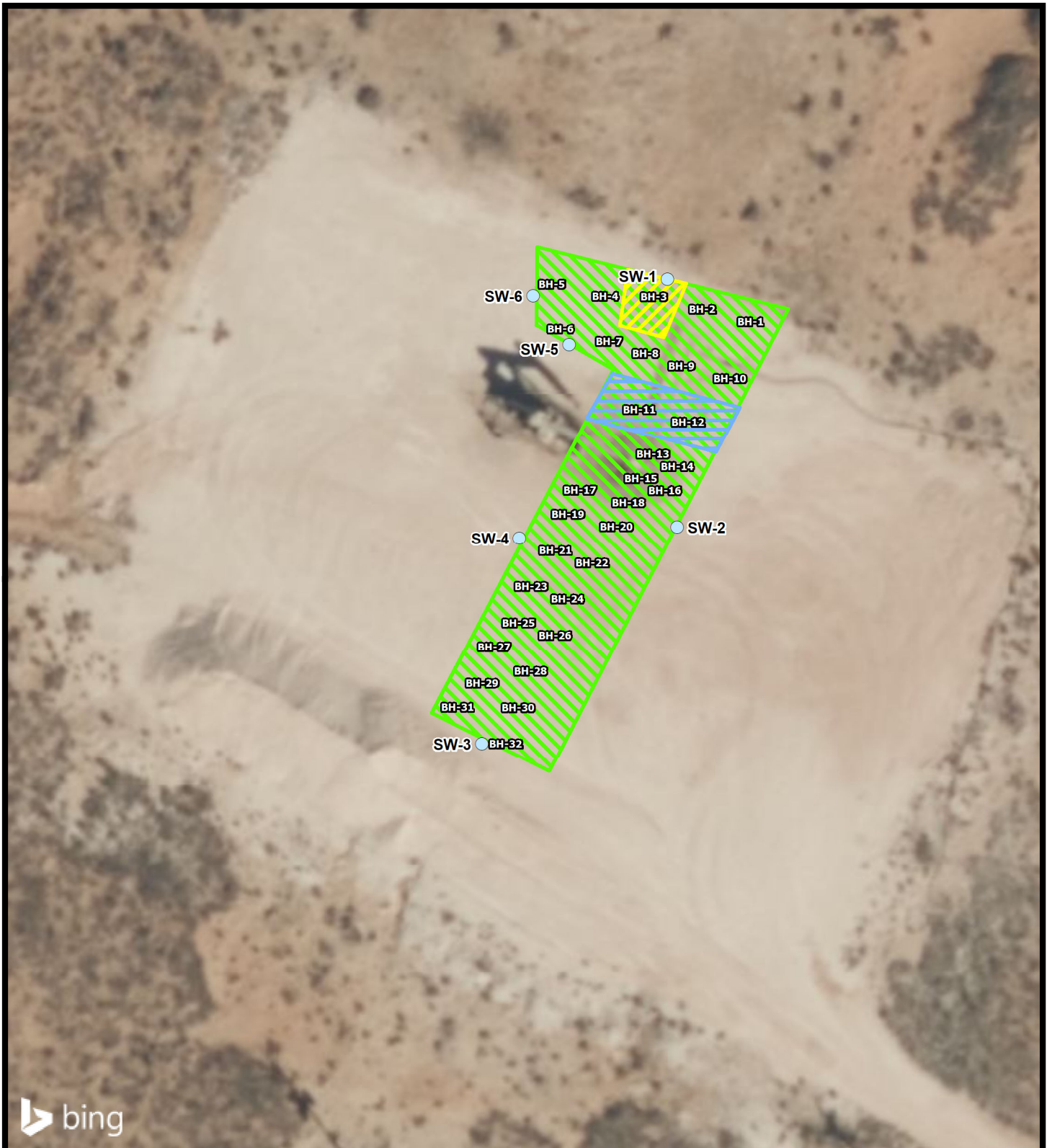
TOPOGRAPHIC MAP
MEDANO VA STATE 17
Property located at coordinates 32.3102025°, -103.7903782°
EDDY COUNTY, NEW MEXICO



Project #:
212C-MD-02664

FIGURE
2

Service Layer Credits: USGS, Topographic - 2020



- BH** BOTTOM HOLE SAMPLE LOCATION
- SIDEWALL DESIGNATION
- ▬ 1.0' EXCAVATION DEPTH
- ▨ 1.25' EXCAVATION DEPTH
- ▩ 6" SURFACE SCRAPE



0 12.5 25
Feet
Approximate Scale in Feet

EXCAVATION AREA AND DEPTH MAP

MEDANO VA STATE 17

Property Located at coordinates 32.310291°, -103.790266°
EDDY COUNTY, NEW MEXICO



Project #:
212C-MD-02664

FIGURE
3

Source: ESRI BING Basemap - Imagery, 2022.

C:\Users\leahel\Documents\GIS\EOG_RESOURCES\212C-MD-02664_Medano_VA_State_17_FIG4.mxd 3/10/2022 Leahel Marmolejo



Tables

Table 1
EOG Resources
Medano VA State 17 Release
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
BH-1	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.00
BH-2	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	140
BH-3	2/14/2022	0.5	-	X	<49.9	147	<49.9	147	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	194
	2/25/2022	1.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	672
	3/3/2022	1.25	X	-	<10.0	36.4	23.4	59.8	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
BH-4	2/14/2022	0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	39.8
BH-5	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	221
BH-6	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	226
BH-7	2/14/2022	0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	221
BH-8	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	146
BH-9	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	327
BH-10	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	307
BH-11	2/14/2022	0.5	-	X	<49.9	159	<49.9	159	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	187
	2/25/2022	1.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48
BH-12	2/14/2022	0.5	-	X	<50.0	145	<50.0	145	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	192
	2/25/2022	1.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
BH-13	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	294
BH-14	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	266
BH-15	2/14/2022	0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	402
BH-16	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	373
BH-17	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	467
BH-18	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	77.2
BH-19	2/14/2022	0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	76.4
BH-20	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	73.1
BH-21	2/14/2022	0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	74.7
BH-22	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	79.6
BH-23	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	56.3
BH-24	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	58.3
BH-25	2/14/2022	0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	53.8
BH-26	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	87.0
BH-27	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	96.5
BH-28	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	92.2
BH-29	2/14/2022	0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	102
BH-30	2/14/2022	0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	112
BH-31	2/14/2022	0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	112
BH-32	2/14/2022	0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	105

Table 1
EOG Resources
Medano VA State 17 Release
Lea County, New Mexico

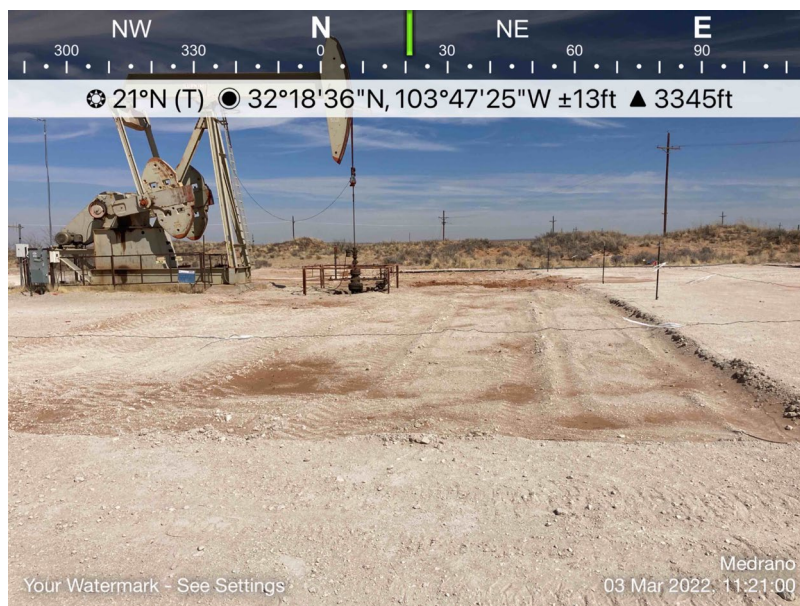
Sample ID	Sample Date	Excavtion Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
SW-1	2/14/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	113
SW-2	2/14/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	121
SW-3	2/14/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	96.3
SW-4	2/14/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	90.4
SW-5	2/14/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	126
SW-6	2/14/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	98.8
SW-7	2/14/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	103

(-) Not Analyzed
Remediated



Photographic Documentation

EOG Resources
Medano VA State #17
Eddy County, New Mexico



View of Remediation Activities – View North

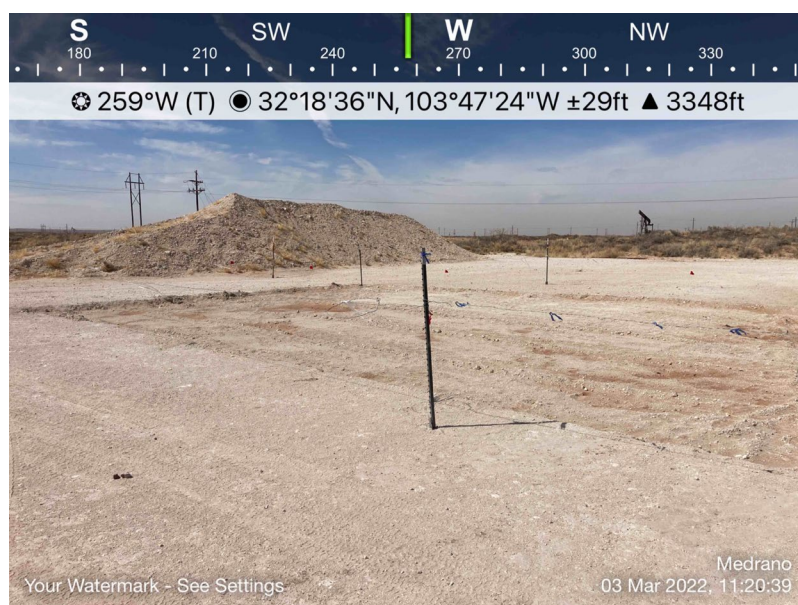


View of Remediation Activities – View Northeast

EOG Resources
Medano VA State #17
Eddy County, New Mexico



View of Remediation Activities – View Northwest



View of Remediation Activities – View West



Appendix A

SLO Notice of Violation Documentation

Medano Va State #17

cBZL2132345981

Violation Source:Field Inspection

Date of Violation:11/17/2021

Compliance Required:02/15/2022

Resolved:

Notes

Stuffing box has leaked in the past, location has heavy stains around wellhead, area needs to be remediated. RULE: 19.15.29

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID 7377
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD) nAPP2207335360
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type Well site
Date Release Discovered	API# (if applicable) 30-015-27325

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? No, did not know it was reportable until we remediated, and di calculation for the excavated soil.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>James Kennedy</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

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 Kennedy _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: James 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: Jennifer Nobui Date: 03/16/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A



Appendix B

Site Characterization Documents



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

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321809103481801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321809103481801 23S.31E.17.31141

Eddy County, New Mexico
Latitude 32°18'11.3", Longitude 103°48'23.4" NAD83
Land-surface elevation 3,326.00 feet above NGVD29
The depth of the well is 354 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1959-02-04			D 62610		3215.16	NGVD29	3		Z	
1959-02-04			D 62611		3216.80	NAVD88	3		Z	
1959-02-04			D 72019	110.84			3		Z	
1987-10-15			D 62610		3214.80	NGVD29	1		Z	
1987-10-15			D 62611		3216.44	NAVD88	1		Z	
1987-10-15			D 72019	111.20			1		Z	
1992-11-04			D 62610		3216.32	NGVD29	1		S	
1992-11-04			D 62611		3217.96	NAVD88	1		S	
1992-11-04			D 72019	109.68			1		S	
2013-01-16	23:30 UTC		m 62610		3197.36	NGVD29	3		S	USGS
2013-01-16	23:30 UTC		m 62611		3199.00	NAVD88	3		S	USGS
2013-01-16	23:30 UTC		m 72019	128.64			3		S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
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](#)

[Accessibility](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

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

Page Last Modified: 2022-01-10 13:31:01 EST

0.31 0.26 nadww01





New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X	Y
C	02492	4 4 4 06 23S 31E	612056	3577320*

x

Driller License:**Driller Company:****Driller Name:** UNKNOWN**Drill Start Date:****Drill Finish Date:**

12/31/2048

Plug Date:**Log File Date:****PCW Rev Date:****Source:**

Shallow

Pump Type:**Pipe Discharge Size:****Estimated Yield:** 100 GPM**Casing Size:** 6.00**Depth Well:**

135 feet

Depth Water: 85 feet

x

Meter Number:

550

Meter Make:

MASTER METER

Meter Serial Number:

3368776

Meter Multiplier:

100.0000

Number of Dials:

6

Meter Type:

Diversion

Unit of Measure:

Gallons

Return Flow Percent:**Usage Multiplier:****Reading Frequency:**

Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/15/1999	1999	122836	A	ms		0
11/17/1999	1999	138743	A	ms		4.882
01/03/2000	1999	154398	A	ms		4.804
04/05/2000	2000	189789	A	RPT		10.861
07/04/2000	2000	228535	A	mb		11.891
10/13/2000	2000	266296	A	RPT		11.588
01/22/2001	2000	295138	A	RPT		8.851
10/10/2001	2001	307651	A	RPT		3.840
10/10/2001	2001	31627	A	RPT		0
01/12/2002	2002	37948	A	tg		1.940
01/10/2003	2002	131852	A	RPT		28.818
04/10/2003	2003	162922	A	ab		9.535
07/09/2003	2003	192583	A	RPT		9.103
07/10/2007	2007	644760	A	RPT		138.768
10/12/2007	2007	676471	A	RPT		9.732
07/07/2008	2008	718642	A	RPT		12.942
08/01/2008	2008	0	A	RPT		0
10/10/2008	2008	25191	A	RPT		7.731
12/31/2008	2008	54476	A	RPT		8.987
07/08/2009	2009	118830	A	RPT		19.750
07/07/2010	2010	246822	A	RPT		39.279
07/27/2010	2010	253644	A	RPT		2.094
07/27/2010	2010	13826	A	RPT		0
10/12/2010	2010	38174	A	RPT		7.472
12/31/2010	2010	60370	A	RPT		6.812

01/05/2011	2011	60370	A	RPT	0
04/01/2011	2011	90751	A	RPT	9.324
07/01/2011	2011	123508	A	RPT	10.053
10/02/2011	2011	152261	A	RPT	8.824
01/16/2012	2011	209359	A	RPT	17.523
04/10/2012	2012	273286	A	RPT	19.618
01/10/2013	2012	354860	A	RPT	25.034
01/12/2013	2013	235897	A	RPT	0
04/01/2013	2013	287079	A	RPT	15.707
07/10/2013	2013	320335	A	RPT	10.206
09/30/2013	2013	340673	A	RPT	6.242
12/31/2014	2014	463375	A	RPT	37.656
03/31/2015	2015	482191	A	RPT	5.774
07/01/2015	2015	504065	A	RPT	6.713
10/01/2015	2015	523612	A	RPT	5.999
01/06/2016	2015	541558	A	RPT	5.507
04/01/2016	2016	556397	A	RPT	4.554
06/30/2016	2016	561120	A	RPT	1.449
10/01/2016	2016	593337	A	RPT	9.887
12/31/2016	2016	612355	A	RPT	5.836

x

****YTD Meter Amounts: Year Amount**

1999	9.686
2000	43.191
2001	3.840
2002	30.758
2003	18.638
2007	148.500
2008	29.660
2009	19.750
2010	55.657
2011	45.724
2012	44.652
2013	32.155
2014	37.656
2015	23.993
2016	21.726

x

*UTM location was derived from PLSS - see Help

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

1/10/22 10:33 AM

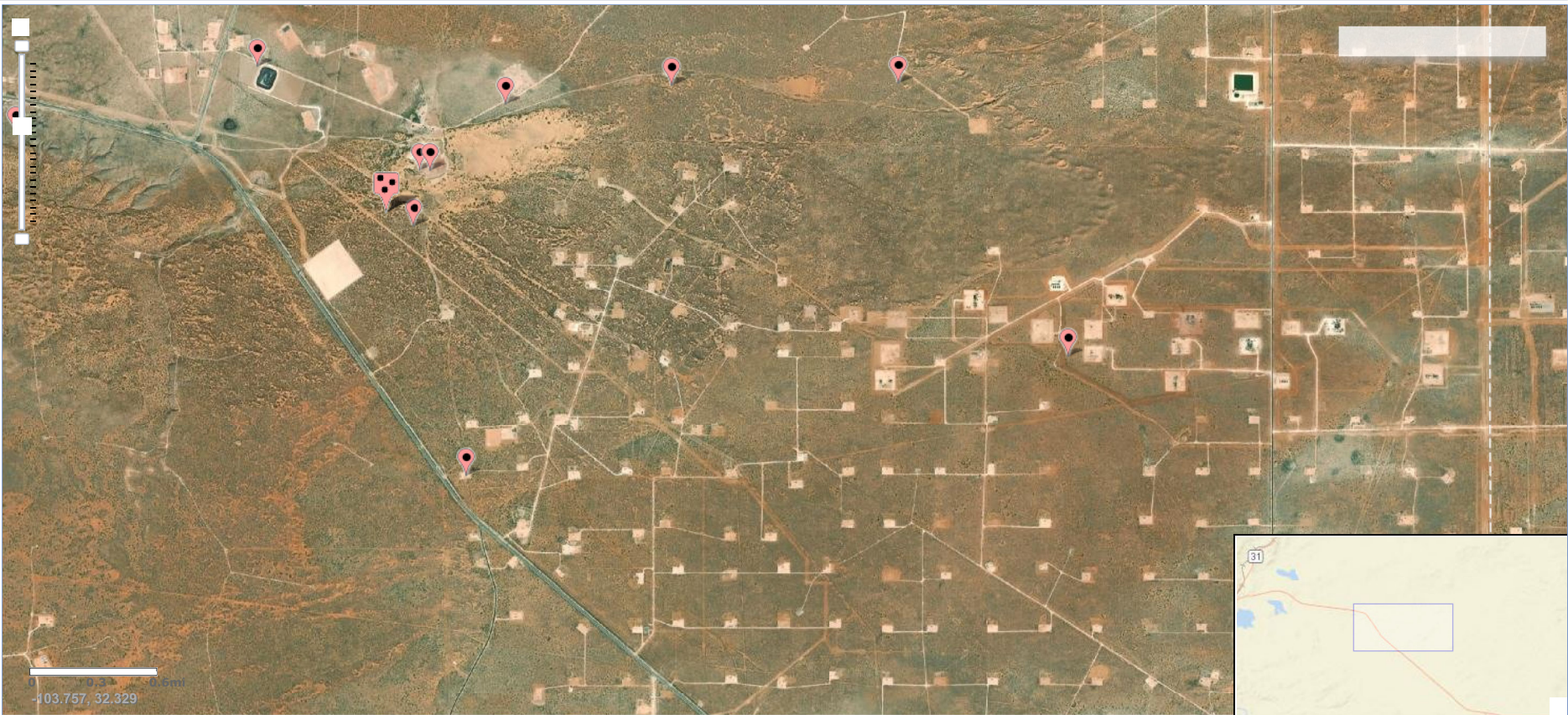
POINT OF DIVERSION SUMMARY



National Water Information System: Mapper

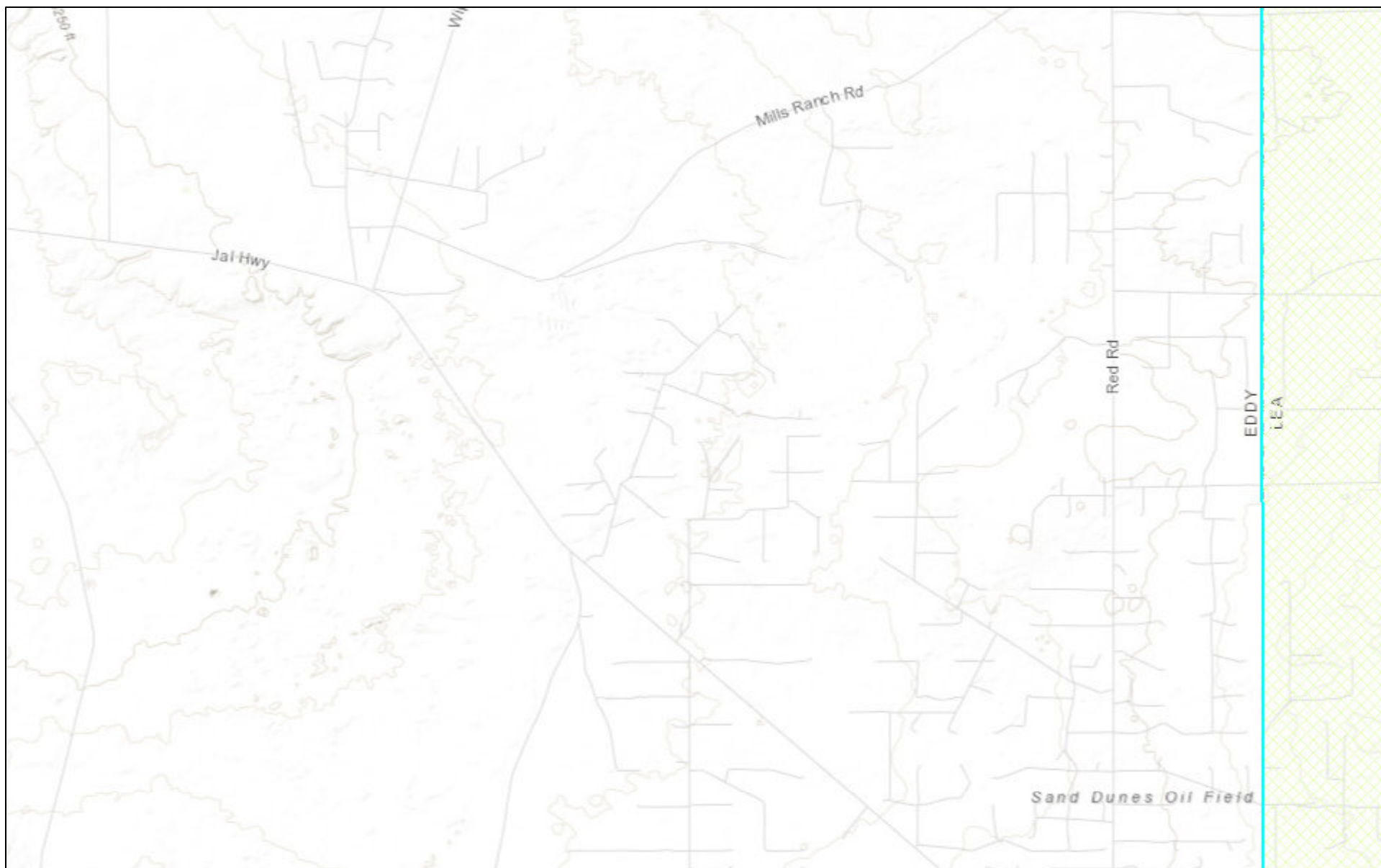
[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

[Help](#) [Info](#)

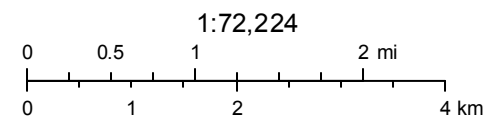


Site Information

New Mexico NFHL Data



January 7, 2022



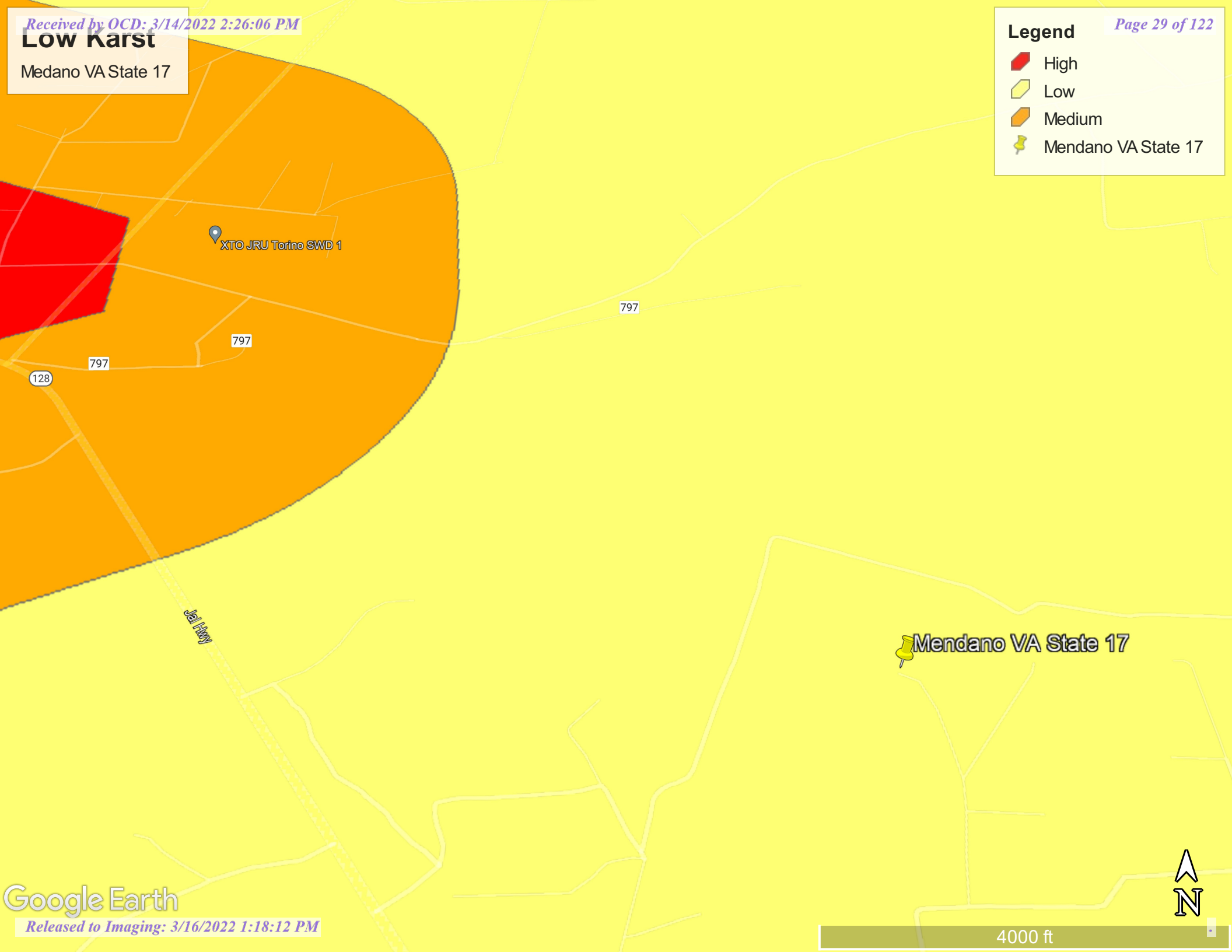
FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

Low Karst

Medano VA State 17

Legend

-  High
-  Low
-  Medium
-  Mendano VA State 17



Well Water Data
Average Depth to Groundwater (ft)
EOG Resources
Medano VA State 17
Eddy County, New Mexico

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

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

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

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

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

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

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

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

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

- 88** New Mexico State Engineers Well Reports
- 105** USGS Well Reports
- 90** Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
- Geology and Groundwater Resources of Eddy County, NM (Report 3)
- 34** NMOCD - Groundwater Data
- 123** Tetra Tech installed temporary wells and field water level
- 143** NMOCD Groundwater map well location



Appendix C

Laboratory Reports



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11287-1

Laboratory Sample Delivery Group: Eddy County, NM
Client Project/Site: Medano VA State Resources

For:

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

Attn: Brittany Long

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/18/2022 4:03:00 PM

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

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Laboratory Job ID: 880-11287-1
SDG: Eddy County, NM

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	6
Surrogate Summary	36
QC Sample Results	39
QC Association Summary	51
Lab Chronicle	61
Certification Summary	73
Method Summary	74
Sample Summary	75
Chain of Custody	76
Receipt Checklists	80

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

Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Job ID: 880-11287-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11287-1

Receipt

The samples were received on 2/15/2022 1:01 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH-15 (0-6") (880-11287-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-27 (0-6") (880-11287-27), BH-28 (0-6") (880-11287-28), BH-30 (0-6") (880-11287-30), BH-31 (0-6") (880-11287-31), SW 1 (880-11287-33), SW 4 (880-11287-36) and SW 5 (880-11287-37). 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-19451 and analytical batch 880-19456 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-16 (0-6") (880-11287-16) and (880-11287-A-1-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-19555 and analytical batch 880-19569 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-11287-A-38-E MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW 3 (880-11287-35), SW 4 (880-11287-36), SW 5 (880-11287-37), (MB 880-19554/1-A), (880-11287-A-35-F MS) and (880-11287-A-35-G MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-19526 and analytical batch 880-19686 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-19527 and analytical batch 880-19687 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-19528 and analytical batch 880-19688 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Job ID: 880-11287-1 (Continued)

Laboratory: Eurofins Midland (Continued)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-11287-1

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 04:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 04:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 04:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/15/22 14:00	02/16/22 04:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 04:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/15/22 14:00	02/16/22 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/15/22 14:00	02/16/22 04:00	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/15/22 14:00	02/16/22 04:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 21:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 21:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	02/15/22 13:48	02/15/22 21:32	1
o-Terphenyl	96		70 - 130	02/15/22 13:48	02/15/22 21:32	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			02/17/22 14:12	1

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

Lab Sample ID: 880-11287-2

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 04:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 04:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 04:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/22 14:00	02/16/22 04:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 04:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/22 14:00	02/16/22 04:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/15/22 14:00	02/16/22 04:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/15/22 14:00	02/16/22 04:21	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-11287-2

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 22:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 22:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				02/15/22 13:48	02/15/22 22:34	1
o-Terphenyl	83		70 - 130				02/15/22 13:48	02/15/22 22:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.99		mg/Kg			02/17/22 14:24	1

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

Lab Sample ID: 880-11287-3

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/15/22 14:00	02/16/22 04:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:00	02/16/22 04:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:00	02/16/22 04:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/22 14:00	02/16/22 04:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:00	02/16/22 04:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/22 14:00	02/16/22 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130				02/15/22 14:00	02/16/22 04:41	1
1,4-Difluorobenzene (Surr)	108		70 - 130				02/15/22 14:00	02/16/22 04:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	147		49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/15/22 22:55	1
Diesel Range Organics (Over C10-C28)	147		49.9		mg/Kg		02/15/22 13:48	02/15/22 22:55	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-11287-3

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/15/22 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/15/22 13:48	02/15/22 22:55	1
o-Terphenyl	81		70 - 130				02/15/22 13:48	02/15/22 22:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		5.05		mg/Kg			02/17/22 14:36	1

Client Sample ID: BH-4 (0-6")

Lab Sample ID: 880-11287-4

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/15/22 14:00	02/16/22 05:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/22 14:00	02/16/22 05:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/22 14:00	02/16/22 05:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/22 14:00	02/16/22 05:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/22 14:00	02/16/22 05:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/22 14:00	02/16/22 05:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				02/15/22 14:00	02/16/22 05:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/15/22 14:00	02/16/22 05:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/15/22 23:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/15/22 23:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/15/22 23:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				02/15/22 13:48	02/15/22 23:16	1
o-Terphenyl	90		70 - 130				02/15/22 13:48	02/15/22 23:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.8		4.97		mg/Kg			02/17/22 14:48	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-11287-5

Date Collected: 02/14/22 10:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 05:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 05:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 05:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/22 14:00	02/16/22 05:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 05:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/22 14:00	02/16/22 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	02/15/22 14:00	02/16/22 05:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/15/22 14:00	02/16/22 05:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 23:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 23:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	02/15/22 13:48	02/15/22 23:36	1
o-Terphenyl	83		70 - 130	02/15/22 13:48	02/15/22 23:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221	F1	4.98		mg/Kg			02/17/22 15:00	1

Client Sample ID: BH-6 (0-6")

Lab Sample ID: 880-11287-6

Date Collected: 02/14/22 10:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/15/22 14:00	02/16/22 05:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:00	02/16/22 05:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:00	02/16/22 05:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/22 14:00	02/16/22 05:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:00	02/16/22 05:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/22 14:00	02/16/22 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/15/22 14:00	02/16/22 05:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/15/22 14:00	02/16/22 05:43	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-6 (0-6")

Lab Sample ID: 880-11287-6

Date Collected: 02/14/22 10:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 23:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 23:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				02/15/22 13:48	02/15/22 23:57	1
o-Terphenyl	98		70 - 130				02/15/22 13:48	02/15/22 23:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		5.05		mg/Kg			02/17/22 15:35	1

Client Sample ID: BH-7 (0-6")

Lab Sample ID: 880-11287-7

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 06:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 06:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 06:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/22 14:00	02/16/22 06:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:00	02/16/22 06:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/22 14:00	02/16/22 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				02/15/22 14:00	02/16/22 06:03	1
1,4-Difluorobenzene (Surr)	87		70 - 130				02/15/22 14:00	02/16/22 06:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 00:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 00:18	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-7 (0-6")

Lab Sample ID: 880-11287-7

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/15/22 13:48	02/16/22 00:18	1
o-Terphenyl	82		70 - 130				02/15/22 13:48	02/16/22 00:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221		4.95		mg/Kg			02/17/22 15:47	1

Client Sample ID: BH-8 (0-6")

Lab Sample ID: 880-11287-8

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/22 14:00	02/16/22 06:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/22 14:00	02/16/22 06:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/22 14:00	02/16/22 06:24	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/15/22 14:00	02/16/22 06:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/22 14:00	02/16/22 06:24	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/15/22 14:00	02/16/22 06:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				02/15/22 14:00	02/16/22 06:24	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/15/22 14:00	02/16/22 06:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 00:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 00:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 00:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/15/22 13:48	02/16/22 00:39	1
o-Terphenyl	76		70 - 130				02/15/22 13:48	02/16/22 00:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		4.97		mg/Kg			02/17/22 16:23	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-9 (0-6")

Lab Sample ID: 880-11287-9

Date Collected: 02/14/22 12:00

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/15/22 14:00	02/16/22 06:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:00	02/16/22 06:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:00	02/16/22 06:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/22 14:00	02/16/22 06:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:00	02/16/22 06:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/22 14:00	02/16/22 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	02/15/22 14:00	02/16/22 06:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/15/22 14:00	02/16/22 06:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 01:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 01:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	02/15/22 13:48	02/16/22 01:00	1
o-Terphenyl	101		70 - 130	02/15/22 13:48	02/16/22 01:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	327		5.03		mg/Kg			02/17/22 16:35	1

Client Sample ID: BH-10 (0-6")

Lab Sample ID: 880-11287-10

Date Collected: 02/14/22 12:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 03:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 03:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 03:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/15/22 14:59	02/16/22 03:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 03:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/15/22 14:59	02/16/22 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	02/15/22 14:59	02/16/22 03:05	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/15/22 14:59	02/16/22 03:05	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-10 (0-6")

Lab Sample ID: 880-11287-10

Date Collected: 02/14/22 12:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 01:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 01:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				02/15/22 13:48	02/16/22 01:21	1
o-Terphenyl	88		70 - 130				02/15/22 13:48	02/16/22 01:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		4.99		mg/Kg			02/17/22 16:46	1

Client Sample ID: BH-11 (0-6")

Lab Sample ID: 880-11287-11

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 03:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 03:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 03:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/22 14:59	02/16/22 03:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 03:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/22 14:59	02/16/22 03:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				02/15/22 14:59	02/16/22 03:33	1
1,4-Difluorobenzene (Surr)	76		70 - 130				02/15/22 14:59	02/16/22 03:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	159		49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 02:03	1
Diesel Range Organics (Over C10-C28)	159		49.9		mg/Kg		02/15/22 13:48	02/16/22 02:03	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-11 (0-6")

Lab Sample ID: 880-11287-11

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 02:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				02/15/22 13:48	02/16/22 02:03	1
o-Terphenyl	84		70 - 130				02/15/22 13:48	02/16/22 02:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		4.98		mg/Kg			02/17/22 16:58	1

Client Sample ID: BH-12 (0-6")

Lab Sample ID: 880-11287-12

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/15/22 14:59	02/16/22 04:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 04:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 04:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/22 14:59	02/16/22 04:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 04:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/22 14:59	02/16/22 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				02/15/22 14:59	02/16/22 04:01	1
1,4-Difluorobenzene (Surr)	83		70 - 130				02/15/22 14:59	02/16/22 04:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	145		50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 02:24	1
Diesel Range Organics (Over C10-C28)	145		50.0		mg/Kg		02/15/22 13:48	02/16/22 02:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				02/15/22 13:48	02/16/22 02:24	1
o-Terphenyl	78		70 - 130				02/15/22 13:48	02/16/22 02:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		4.95		mg/Kg			02/17/22 17:10	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-13 (0-6")

Lab Sample ID: 880-11287-13

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 04:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 04:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 04:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/22 14:59	02/16/22 04:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 04:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/22 14:59	02/16/22 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/15/22 14:59	02/16/22 04:30	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/15/22 14:59	02/16/22 04:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 02:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 02:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	02/15/22 13:48	02/16/22 02:46	1
o-Terphenyl	79		70 - 130	02/15/22 13:48	02/16/22 02:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	294		4.97		mg/Kg			02/17/22 17:22	1

Client Sample ID: BH-14 (0-6")

Lab Sample ID: 880-11287-14

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/15/22 14:59	02/16/22 04:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 04:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 04:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/22 14:59	02/16/22 04:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 04:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/22 14:59	02/16/22 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/15/22 14:59	02/16/22 04:57	1
1,4-Difluorobenzene (Surr)	86		70 - 130	02/15/22 14:59	02/16/22 04:57	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-14 (0-6")

Lab Sample ID: 880-11287-14

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 03:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 03:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				02/15/22 13:48	02/16/22 03:07	1
o-Terphenyl	83		70 - 130				02/15/22 13:48	02/16/22 03:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		4.99		mg/Kg			02/17/22 17:34	1

Client Sample ID: BH-15 (0-6")

Lab Sample ID: 880-11287-15

Date Collected: 02/14/22 10:00

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/15/22 14:59	02/16/22 05:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 05:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 05:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/22 14:59	02/16/22 05:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 05:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/22 14:59	02/16/22 05:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				02/15/22 14:59	02/16/22 05:26	1
1,4-Difluorobenzene (Surr)	114		70 - 130				02/15/22 14:59	02/16/22 05:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 03:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 03:29	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-15 (0-6")

Lab Sample ID: 880-11287-15

Date Collected: 02/14/22 10:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				02/15/22 13:48	02/16/22 03:29	1
o-Terphenyl	74		70 - 130				02/15/22 13:48	02/16/22 03:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	402	F1	5.03		mg/Kg			02/17/22 21:51	1

Client Sample ID: BH-16 (0-6")

Lab Sample ID: 880-11287-16

Date Collected: 02/14/22 10:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/22 14:59	02/16/22 05:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/22 14:59	02/16/22 05:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/22 14:59	02/16/22 05:54	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/15/22 14:59	02/16/22 05:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/22 14:59	02/16/22 05:54	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/15/22 14:59	02/16/22 05:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				02/15/22 14:59	02/16/22 05:54	1
1,4-Difluorobenzene (Surr)	85		70 - 130				02/15/22 14:59	02/16/22 05:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 03:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 03:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				02/15/22 13:48	02/16/22 03:50	1
o-Terphenyl	66	S1-	70 - 130				02/15/22 13:48	02/16/22 03:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	373		5.05		mg/Kg			02/17/22 22:18	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-17 (0-6")

Lab Sample ID: 880-11287-17

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 06:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 06:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 06:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/22 14:59	02/16/22 06:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 06:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/22 14:59	02/16/22 06:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	02/15/22 14:59	02/16/22 06:22	1
1,4-Difluorobenzene (Surr)	75		70 - 130	02/15/22 14:59	02/16/22 06:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 04:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 04:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	02/15/22 13:48	02/16/22 04:11	1
o-Terphenyl	97		70 - 130	02/15/22 13:48	02/16/22 04:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	467		4.98		mg/Kg			02/17/22 22:27	1

Client Sample ID: BH-18 (0-6")

Lab Sample ID: 880-11287-18

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/15/22 14:59	02/16/22 06:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 06:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 06:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/22 14:59	02/16/22 06:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/22 14:59	02/16/22 06:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/22 14:59	02/16/22 06:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	02/15/22 14:59	02/16/22 06:50	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/15/22 14:59	02/16/22 06:50	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-18 (0-6")

Lab Sample ID: 880-11287-18

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 04:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 04:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/15/22 13:48	02/16/22 04:33	1
o-Terphenyl	73		70 - 130				02/15/22 13:48	02/16/22 04:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.2		4.97		mg/Kg			02/17/22 22:36	1

Client Sample ID: BH-19 (0-6")

Lab Sample ID: 880-11287-19

Date Collected: 02/14/22 12:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 07:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 07:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 07:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/22 14:59	02/16/22 07:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 14:59	02/16/22 07:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/22 14:59	02/16/22 07:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				02/15/22 14:59	02/16/22 07:18	1
1,4-Difluorobenzene (Surr)	112		70 - 130				02/15/22 14:59	02/16/22 07:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 04:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 04:54	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-19 (0-6")

Lab Sample ID: 880-11287-19

Date Collected: 02/14/22 12:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 13:48	02/16/22 04:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/15/22 13:48	02/16/22 04:54	1
o-Terphenyl	80		70 - 130				02/15/22 13:48	02/16/22 04:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.4		4.95		mg/Kg			02/17/22 22:45	1

Client Sample ID: BH-20 (0-6")

Lab Sample ID: 880-11287-20

Date Collected: 02/14/22 12:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1 F2	0.00198		mg/Kg		02/16/22 08:07	02/17/22 00:18	1
Toluene	<0.00198	U F1 F2	0.00198		mg/Kg		02/16/22 08:07	02/17/22 00:18	1
Ethylbenzene	<0.00198	U F1 F2	0.00198		mg/Kg		02/16/22 08:07	02/17/22 00:18	1
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.00396		mg/Kg		02/16/22 08:07	02/17/22 00:18	1
o-Xylene	<0.00198	U F1 F2	0.00198		mg/Kg		02/16/22 08:07	02/17/22 00:18	1
Xylenes, Total	<0.00396	U F1 F2	0.00396		mg/Kg		02/16/22 08:07	02/17/22 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				02/16/22 08:07	02/17/22 00:18	1
1,4-Difluorobenzene (Surr)	85		70 - 130				02/16/22 08:07	02/17/22 00:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 05:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 05:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/16/22 05:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				02/15/22 13:48	02/16/22 05:15	1
o-Terphenyl	73		70 - 130				02/15/22 13:48	02/16/22 05:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.1		4.95		mg/Kg			02/17/22 23:11	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-21 (0-6")

Lab Sample ID: 880-11287-21

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/16/22 08:07	02/17/22 00:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/16/22 08:07	02/17/22 00:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/16/22 08:07	02/17/22 00:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/16/22 08:07	02/17/22 00:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/16/22 08:07	02/17/22 00:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/16/22 08:07	02/17/22 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	02/16/22 08:07	02/17/22 00:38	1
1,4-Difluorobenzene (Surr)	76		70 - 130	02/16/22 08:07	02/17/22 00:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 14:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 14:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/15/22 14:00	02/15/22 14:13	1
o-Terphenyl				02/15/22 14:00	02/15/22 14:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.7		5.05		mg/Kg			02/17/22 23:20	1

Client Sample ID: BH-22 (0-6")

Lab Sample ID: 880-11287-22

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 00:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 00:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 00:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/16/22 08:07	02/17/22 00:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 00:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/22 08:07	02/17/22 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/16/22 08:07	02/17/22 00:58	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/16/22 08:07	02/17/22 00:58	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-22 (0-6")

Lab Sample ID: 880-11287-22

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 14:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 14:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/15/22 14:00	02/15/22 14:34	1
o-Terphenyl							02/15/22 14:00	02/15/22 14:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.6		4.98		mg/Kg			02/17/22 23:29	1

Client Sample ID: BH-23 (0-6")

Lab Sample ID: 880-11287-23

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 01:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 01:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 01:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/16/22 08:07	02/17/22 01:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 01:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/22 08:07	02/17/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				02/16/22 08:07	02/17/22 01:19	1
1,4-Difluorobenzene (Surr)	88		70 - 130				02/16/22 08:07	02/17/22 01:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 14:55	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-23 (0-6")

Lab Sample ID: 880-11287-23

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/15/22 14:00	02/15/22 14:55	1
o-Terphenyl							02/15/22 14:00	02/15/22 14:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.3		4.95		mg/Kg			02/17/22 23:38	1

Client Sample ID: BH-24 (0-6")

Lab Sample ID: 880-11287-24

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 01:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 01:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 01:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/16/22 08:07	02/17/22 01:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 01:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/16/22 08:07	02/17/22 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				02/16/22 08:07	02/17/22 01:39	1
1,4-Difluorobenzene (Surr)	87		70 - 130				02/16/22 08:07	02/17/22 01:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 15:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 15:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 15:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/15/22 14:00	02/15/22 15:16	1
o-Terphenyl							02/15/22 14:00	02/15/22 15:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.3		4.97		mg/Kg			02/17/22 23:46	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-25 (0-6")

Lab Sample ID: 880-11287-25

Date Collected: 02/14/22 10:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/16/22 08:07	02/17/22 02:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/16/22 08:07	02/17/22 02:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/16/22 08:07	02/17/22 02:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/16/22 08:07	02/17/22 02:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/16/22 08:07	02/17/22 02:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/16/22 08:07	02/17/22 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/16/22 08:07	02/17/22 02:00	1
1,4-Difluorobenzene (Surr)	86		70 - 130	02/16/22 08:07	02/17/22 02:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 15:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 15:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/15/22 14:00	02/15/22 15:37	1
o-Terphenyl				02/15/22 14:00	02/15/22 15:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.8	F1	4.95		mg/Kg			02/17/22 23:55	1

Client Sample ID: BH-26 (0-6")

Lab Sample ID: 880-11287-26

Date Collected: 02/14/22 10:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 02:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/16/22 08:07	02/17/22 02:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/16/22 08:07	02/17/22 02:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/16/22 08:07	02/17/22 02:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/16/22 08:07	02/17/22 02:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/16/22 08:07	02/17/22 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	02/16/22 08:07	02/17/22 02:20	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/16/22 08:07	02/17/22 02:20	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-26 (0-6")

Lab Sample ID: 880-11287-26

Date Collected: 02/14/22 10:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 15:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 15:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/15/22 14:00	02/15/22 15:58	1
o-Terphenyl							02/15/22 14:00	02/15/22 15:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.0		5.00		mg/Kg			02/18/22 00:22	1

Client Sample ID: BH-27 (0-6")

Lab Sample ID: 880-11287-27

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 02:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 02:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 02:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 02:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 02:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				02/16/22 08:07	02/17/22 02:40	1
1,4-Difluorobenzene (Surr)	109		70 - 130				02/16/22 08:07	02/17/22 02:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 16:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 16:40	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-27 (0-6")

Lab Sample ID: 880-11287-27

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/15/22 14:00	02/15/22 16:40	1
o-Terphenyl							02/15/22 14:00	02/15/22 16:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.5		5.02		mg/Kg			02/18/22 00:31	1

Client Sample ID: BH-28 (0-6")

Lab Sample ID: 880-11287-28

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 03:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 03:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 03:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/16/22 08:07	02/17/22 03:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 03:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/16/22 08:07	02/17/22 03:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				02/16/22 08:07	02/17/22 03:01	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/16/22 08:07	02/17/22 03:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 17:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 17:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/15/22 14:00	02/15/22 17:01	1
o-Terphenyl							02/15/22 14:00	02/15/22 17:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.2		5.04		mg/Kg			02/18/22 00:57	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-29 (0-6")

Lab Sample ID: 880-11287-29

Date Collected: 02/14/22 12:00

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 03:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 03:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 03:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/16/22 08:07	02/17/22 03:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 03:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/22 08:07	02/17/22 03:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/16/22 08:07	02/17/22 03:21	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/16/22 08:07	02/17/22 03:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 17:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 17:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/15/22 14:00	02/15/22 17:21	1
o-Terphenyl				02/15/22 14:00	02/15/22 17:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		4.99		mg/Kg			02/18/22 01:06	1

Client Sample ID: BH-30 (0-6")

Lab Sample ID: 880-11287-30

Date Collected: 02/14/22 12:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 05:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 05:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 05:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/16/22 08:07	02/17/22 05:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 05:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/16/22 08:07	02/17/22 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	02/16/22 08:07	02/17/22 05:11	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/16/22 08:07	02/17/22 05:11	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-30 (0-6")

Lab Sample ID: 880-11287-30

Date Collected: 02/14/22 12:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 17:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 17:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/15/22 14:00	02/15/22 17:42	1
o-Terphenyl				02/15/22 14:00	02/15/22 17:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.99		mg/Kg			02/18/22 01:15	1

Client Sample ID: BH-31 (0-6")

Lab Sample ID: 880-11287-31

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 05:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 05:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 05:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/16/22 08:07	02/17/22 05:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 05:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/22 08:07	02/17/22 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	02/16/22 08:07	02/17/22 05:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/16/22 08:07	02/17/22 05:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 18:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 18:03	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-31 (0-6")

Lab Sample ID: 880-11287-31

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/15/22 14:00	02/15/22 18:03	1
o-Terphenyl							02/15/22 14:00	02/15/22 18:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		5.03		mg/Kg			02/18/22 01:24	1

Client Sample ID: BH-32 (0-6")

Lab Sample ID: 880-11287-32

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 05:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 05:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 05:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 05:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 05:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/16/22 08:07	02/17/22 05:52	1
1,4-Difluorobenzene (Surr)	79		70 - 130				02/16/22 08:07	02/17/22 05:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 18:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 18:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 14:00	02/15/22 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/15/22 14:00	02/15/22 18:24	1
o-Terphenyl							02/15/22 14:00	02/15/22 18:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		5.04		mg/Kg			02/18/22 01:33	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: SW 1

Lab Sample ID: 880-11287-33

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 06:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/16/22 08:07	02/17/22 06:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/16/22 08:07	02/17/22 06:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/16/22 08:07	02/17/22 06:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/16/22 08:07	02/17/22 06:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/16/22 08:07	02/17/22 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	02/16/22 08:07	02/17/22 06:12	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/16/22 08:07	02/17/22 06:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 18:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/22 14:00	02/15/22 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/15/22 14:00	02/15/22 18:45	1
o-Terphenyl				02/15/22 14:00	02/15/22 18:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		5.05		mg/Kg			02/18/22 01:42	1

Client Sample ID: SW 2

Lab Sample ID: 880-11287-34

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 06:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 06:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 06:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 06:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 06:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 06:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/16/22 08:07	02/17/22 06:32	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/16/22 08:07	02/17/22 06:32	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: SW 2

Lab Sample ID: 880-11287-34

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 17:00	02/15/22 19:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 17:00	02/15/22 19:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 17:00	02/15/22 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				02/15/22 17:00	02/15/22 19:06	1
o-Terphenyl	89		70 - 130				02/15/22 17:00	02/15/22 19:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.00		mg/Kg			02/18/22 01:50	1

Client Sample ID: SW 3

Lab Sample ID: 880-11287-35

Date Collected: 02/14/22 10:00

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 06:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 06:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 06:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/16/22 08:07	02/17/22 06:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 06:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/22 08:07	02/17/22 06:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				02/16/22 08:07	02/17/22 06:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/16/22 08:07	02/17/22 06:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/16/22 08:36	02/16/22 12:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/22 08:36	02/16/22 12:29	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: SW 3

Lab Sample ID: 880-11287-35

Date Collected: 02/14/22 10:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/22 08:36	02/16/22 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	57	S1-	70 - 130				02/16/22 08:36	02/16/22 12:29	1
o-Terphenyl	63	S1-	70 - 130				02/16/22 08:36	02/16/22 12:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.3	F1	4.95		mg/Kg			02/18/22 03:01	1

Client Sample ID: SW 4

Lab Sample ID: 880-11287-36

Date Collected: 02/14/22 10:30

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 07:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 07:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 07:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 07:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 07:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 07:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130				02/16/22 08:07	02/17/22 07:13	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/16/22 08:07	02/17/22 07:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/16/22 08:36	02/16/22 13:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/22 08:36	02/16/22 13:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/22 08:36	02/16/22 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/16/22 08:36	02/16/22 13:31	1
o-Terphenyl	77		70 - 130				02/16/22 08:36	02/16/22 13:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.4		5.04		mg/Kg			02/18/22 03:28	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: SW 5

Lab Sample ID: 880-11287-37

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 07:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 07:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 07:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 07:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/22 08:07	02/17/22 07:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/22 08:07	02/17/22 07:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	02/16/22 08:07	02/17/22 07:34	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/16/22 08:07	02/17/22 07:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/16/22 08:36	02/16/22 13:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/16/22 08:36	02/16/22 13:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/16/22 08:36	02/16/22 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130	02/16/22 08:36	02/16/22 13:52	1
o-Terphenyl	72		70 - 130	02/16/22 08:36	02/16/22 13:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		4.99		mg/Kg			02/18/22 03:37	1

Client Sample ID: SW 6

Lab Sample ID: 880-11287-38

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 07:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 07:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 07:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/16/22 08:07	02/17/22 07:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/17/22 07:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/16/22 08:07	02/17/22 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	02/16/22 08:07	02/17/22 07:54	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/16/22 08:07	02/17/22 07:54	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: SW 6

Lab Sample ID: 880-11287-38

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0		mg/Kg		02/16/22 08:38	02/16/22 13:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		02/16/22 08:38	02/16/22 13:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/22 08:38	02/16/22 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				02/16/22 08:38	02/16/22 13:03	1
o-Terphenyl	83		70 - 130				02/16/22 08:38	02/16/22 13:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		5.00		mg/Kg			02/18/22 03:45	1

Client Sample ID: SW 7

Lab Sample ID: 880-11287-39

Date Collected: 02/14/22 00:00

Matrix: Solid

Date Received: 02/15/22 13:01

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		02/16/22 08:07	02/17/22 08:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 08:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 08:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/16/22 08:07	02/17/22 08:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/22 08:07	02/17/22 08:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/22 08:07	02/17/22 08:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				02/16/22 08:07	02/17/22 08:16	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/16/22 08:07	02/17/22 08:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/16/22 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/16/22 08:38	02/16/22 14:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/22 08:38	02/16/22 14:05	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: SW 7

Lab Sample ID: 880-11287-39

Date Collected: 02/14/22 00:00

Matrix: Solid

Date Received: 02/15/22 13:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/22 08:38	02/16/22 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	02/16/22 08:38	02/16/22 14:05	1
o-Terphenyl	80		70 - 130	02/16/22 08:38	02/16/22 14:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		4.98		mg/Kg			02/18/22 03:54	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-11264-A-1-A MS	Matrix Spike	85	85
880-11264-A-1-B MSD	Matrix Spike Duplicate	123	97
880-11287-1	BH-1 (0-6")	129	87
880-11287-2	BH-2 (0-6")	116	100
880-11287-3	BH-3 (0-6")	141 S1+	108
880-11287-4	BH-4 (0-6")	129	102
880-11287-5	BH-5 (0-6")	130	94
880-11287-6	BH-6 (0-6")	123	95
880-11287-7	BH-7 (0-6")	144 S1+	87
880-11287-8	BH-8 (0-6")	135 S1+	98
880-11287-9	BH-9 (0-6")	131 S1+	103
880-11287-10	BH-10 (0-6")	126	87
880-11287-11	BH-11 (0-6")	119	76
880-11287-12	BH-12 (0-6")	124	83
880-11287-13	BH-13 (0-6")	120	92
880-11287-14	BH-14 (0-6")	99	86
880-11287-15	BH-15 (0-6")	136 S1+	114
880-11287-16	BH-16 (0-6")	110	85
880-11287-17	BH-17 (0-6")	92	75
880-11287-18	BH-18 (0-6")	121	93
880-11287-19	BH-19 (0-6")	127	112
880-11287-20	BH-20 (0-6")	129	85
880-11287-20 MS	BH-20 (0-6")	122	106
880-11287-20 MSD	BH-20 (0-6")	121	89
880-11287-21	BH-21 (0-6")	87	76
880-11287-22	BH-22 (0-6")	118	111
880-11287-23	BH-23 (0-6")	124	88
880-11287-24	BH-24 (0-6")	122	87
880-11287-25	BH-25 (0-6")	114	86
880-11287-26	BH-26 (0-6")	83	95
880-11287-27	BH-27 (0-6")	140 S1+	109
880-11287-28	BH-28 (0-6")	143 S1+	91
880-11287-29	BH-29 (0-6")	120	87
880-11287-30	BH-30 (0-6")	136 S1+	102
880-11287-31	BH-31 (0-6")	137 S1+	97
880-11287-32	BH-32 (0-6")	108	79
880-11287-33	SW 1	136 S1+	91
880-11287-34	SW 2	129	103
880-11287-35	SW 3	118	92
880-11287-36	SW 4	141 S1+	102
880-11287-37	SW 5	139 S1+	103
880-11287-38	SW 6	132 S1+	105
880-11287-39	SW 7	107	92
LCS 880-19467/1-A	Lab Control Sample	131 S1+	101
LCS 880-19552/1-A	Lab Control Sample	113	89
LCSD 880-19467/2-A	Lab Control Sample Dup	111	88
LCSD 880-19552/2-A	Lab Control Sample Dup	108	85
MB 880-19371/5-A	Method Blank	122	98
MB 880-19467/5-A	Method Blank	116	93

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-11287-1

Project/Site: Medano VA State Resources

SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-19550/5-A	Method Blank	120	92
MB 880-19552/5-A	Method Blank	111	87
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)
880-11248-A-1-C MS	Matrix Spike	82	73
880-11248-A-1-D MSD	Matrix Spike Duplicate	93	84
880-11287-1	BH-1 (0-6")	97	96
880-11287-1 MS	BH-1 (0-6")	75	67 S1-
880-11287-1 MSD	BH-1 (0-6")	70	75
880-11287-2	BH-2 (0-6")	80	83
880-11287-3	BH-3 (0-6")	82	81
880-11287-4	BH-4 (0-6")	92	90
880-11287-5	BH-5 (0-6")	83	83
880-11287-6	BH-6 (0-6")	96	98
880-11287-7	BH-7 (0-6")	82	82
880-11287-8	BH-8 (0-6")	73	76
880-11287-9	BH-9 (0-6")	98	101
880-11287-10	BH-10 (0-6")	87	88
880-11287-11	BH-11 (0-6")	84	84
880-11287-12	BH-12 (0-6")	78	78
880-11287-13	BH-13 (0-6")	79	79
880-11287-14	BH-14 (0-6")	81	83
880-11287-15	BH-15 (0-6")	74	74
880-11287-16	BH-16 (0-6")	65 S1-	66 S1-
880-11287-17	BH-17 (0-6")	97	97
880-11287-18	BH-18 (0-6")	73	73
880-11287-19	BH-19 (0-6")	79	80
880-11287-20	BH-20 (0-6")	72	73
880-11287-34	SW 2	92	89
880-11287-35	SW 3	57 S1-	63 S1-
880-11287-35 MS	SW 3	64 S1-	57 S1-
880-11287-35 MSD	SW 3	66 S1-	59 S1-
880-11287-36	SW 4	69 S1-	77
880-11287-37	SW 5	63 S1-	72
880-11287-38	SW 6	81	83
880-11287-38 MS	SW 6	71	66 S1-
880-11287-38 MSD	SW 6	84	77
880-11287-39	SW 7	78	80
LCS 880-19554/2-A	Lab Control Sample	107	111
LCSD 880-19554/3-A	Lab Control Sample Dup	101	103
MB 880-19554/1-A	Method Blank	59 S1-	68 S1-

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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	OTPH1
880-11287-21	BH-21 (0-6")		
880-11287-22	BH-22 (0-6")		
880-11287-23	BH-23 (0-6")		
880-11287-24	BH-24 (0-6")		
880-11287-25	BH-25 (0-6")		
880-11287-26	BH-26 (0-6")		
880-11287-27	BH-27 (0-6")		
880-11287-28	BH-28 (0-6")		
880-11287-29	BH-29 (0-6")		
880-11287-30	BH-30 (0-6")		
880-11287-31	BH-31 (0-6")		
880-11287-32	BH-32 (0-6")		
880-11287-33	SW 1		

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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)	
		1CO2 (70-130)	OTPH2 (70-130)
LCS 880-19451/2-A	Lab Control Sample	106	121
LCS 880-19512/2-A	Lab Control Sample	107	125
LCS 880-19555/2-A	Lab Control Sample	108	123
LCSD 880-19451/3-A	Lab Control Sample Dup	104	119
LCSD 880-19512/3-A	Lab Control Sample Dup	100	114
LCSD 880-19555/3-A	Lab Control Sample Dup	102	118
MB 880-19451/1-A	Method Blank	116	124
MB 880-19512/1-A	Method Blank	102	114
MB 880-19555/1-A	Method Blank	82	91

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19371/5-A

Matrix: Solid

Analysis Batch: 19448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/22 10:45	02/15/22 11:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/22 10:45	02/15/22 11:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/22 10:45	02/15/22 11:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/14/22 10:45	02/15/22 11:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/22 10:45	02/15/22 11:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/14/22 10:45	02/15/22 11:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/14/22 10:45	02/15/22 11:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/14/22 10:45	02/15/22 11:02	1

Lab Sample ID: MB 880-19467/5-A

Matrix: Solid

Analysis Batch: 19448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/22 10:30	02/15/22 22:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/22 10:30	02/15/22 22:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/22 10:30	02/15/22 22:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/22 10:30	02/15/22 22:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/22 10:30	02/15/22 22:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/22 10:30	02/15/22 22:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/15/22 10:30	02/15/22 22:38	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/15/22 10:30	02/15/22 22:38	1

Lab Sample ID: LCS 880-19467/1-A

Matrix: Solid

Analysis Batch: 19448

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08498		mg/Kg		85	70 - 130
Toluene	0.100	0.09231		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09387		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1859		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09246		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-19467/2-A

Matrix: Solid

Analysis Batch: 19448

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19467

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.07021		mg/Kg		70	70 - 130	19	35

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-19467/2-A

Matrix: Solid

Analysis Batch: 19448

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19467

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08257		mg/Kg		83	70 - 130	11	35
Ethylbenzene	0.100	0.08308		mg/Kg		83	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1690		mg/Kg		84	70 - 130	10	35
o-Xylene	0.100	0.08492		mg/Kg		85	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-11264-A-1-A MS

Matrix: Solid

Analysis Batch: 19448

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1 F2	0.0998	0.03451	F1	mg/Kg		35	70 - 130
Toluene	<0.00199	U F1	0.0998	0.05987	F1	mg/Kg		60	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.05438	F1	mg/Kg		54	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.07841	F1	mg/Kg		39	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.04312	F1	mg/Kg		43	70 - 130

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

Lab Sample ID: 880-11264-A-1-B MSD

Matrix: Solid

Analysis Batch: 19448

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19467

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.100	0.07534	F2	mg/Kg		75	70 - 130	74	35
Toluene	<0.00199	U F1	0.100	0.06670	F1	mg/Kg		67	70 - 130	11	35
Ethylbenzene	<0.00199	U F1	0.100	0.05986	F1	mg/Kg		60	70 - 130	10	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.1162	F1 F2	mg/Kg		58	70 - 130	39	35
o-Xylene	<0.00199	U F1	0.100	0.05197	F1	mg/Kg		52	70 - 130	19	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-19550/5-A

Matrix: Solid

Analysis Batch: 19551

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/22 07:11	02/16/22 10:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/22 07:11	02/16/22 10:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/22 07:11	02/16/22 10:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/16/22 07:11	02/16/22 10:27	1

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-19550/5-A

Matrix: Solid

Analysis Batch: 19551

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/22 07:11	02/16/22 10:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/22 07:11	02/16/22 10:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				02/16/22 07:11	02/16/22 10:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/16/22 07:11	02/16/22 10:27	1

Lab Sample ID: MB 880-19552/5-A

Matrix: Solid

Analysis Batch: 19551

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/16/22 23:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/16/22 23:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/16/22 23:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/16/22 08:07	02/16/22 23:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/22 08:07	02/16/22 23:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/22 08:07	02/16/22 23:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				02/16/22 08:07	02/16/22 23:49	1
1,4-Difluorobenzene (Surr)	87		70 - 130				02/16/22 08:07	02/16/22 23:49	1

Lab Sample ID: LCS 880-19552/1-A

Matrix: Solid

Analysis Batch: 19551

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08367		mg/Kg		84	70 - 130
Toluene	0.100	0.08960		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09165		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1792		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09468		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	113		70 - 130				
1,4-Difluorobenzene (Surr)	89		70 - 130				

Lab Sample ID: LCSD 880-19552/2-A

Matrix: Solid

Analysis Batch: 19551

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19552

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08060		mg/Kg		81	70 - 130	4	35
Toluene	0.100	0.09238		mg/Kg		92	70 - 130	3	35
Ethylbenzene	0.100	0.08936		mg/Kg		89	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1735		mg/Kg		87	70 - 130	3	35
o-Xylene	0.100	0.08824		mg/Kg		88	70 - 130	7	35

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-11287-20 MS

Matrix: Solid

Analysis Batch: 19551

Client Sample ID: BH-20 (0-6")

Prep Type: Total/NA

Prep Batch: 19552

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1 F2	0.0990	0.08147		mg/Kg		82	70 - 130
Toluene	<0.00198	U F1 F2	0.0990	0.08154		mg/Kg		82	70 - 130
Ethylbenzene	<0.00198	U F1 F2	0.0990	0.08927		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.198	0.1734		mg/Kg		88	70 - 130
o-Xylene	<0.00198	U F1 F2	0.0990	0.08165		mg/Kg		82	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-11287-20 MSD

Matrix: Solid

Analysis Batch: 19551

Client Sample ID: BH-20 (0-6")

Prep Type: Total/NA

Prep Batch: 19552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00198	U F1 F2	0.0994	0.02731	F1 F2	mg/Kg		27	70 - 130	100	35
Toluene	<0.00198	U F1 F2	0.0994	0.04682	F1 F2	mg/Kg		47	70 - 130	54	35
Ethylbenzene	<0.00198	U F1 F2	0.0994	0.05423	F1 F2	mg/Kg		55	70 - 130	49	35
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.199	0.09284	F1 F2	mg/Kg		47	70 - 130	61	35
o-Xylene	<0.00198	U F1 F2	0.0994	0.05674	F1 F2	mg/Kg		57	70 - 130	36	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-19451/1-A

Matrix: Solid

Analysis Batch: 19456

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19451

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		02/15/22 08:41	02/15/22 10:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 08:41	02/15/22 10:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 08:41	02/15/22 10:37	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	116		70 - 130	02/15/22 08:41	02/15/22 10:37	1			
o-Terphenyl	124		70 - 130	02/15/22 08:41	02/15/22 10:37	1			

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-19451/2-A

Matrix: Solid

Analysis Batch: 19456

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19451

Analyte			Spike	LCS	LCS	Unit	D	%Rec.		
			Added	Result	Qualifier			Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	977.0		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1025		mg/Kg		102	70 - 130	

Lab Sample ID: LCSD 880-19451/3-A

Matrix: Solid

Analysis Batch: 19456

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19451

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1006		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1025		mg/Kg		102	70 - 130	0	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	119		70 - 130								

Lab Sample ID: 880-11248-A-1-C MS

Matrix: Solid

Analysis Batch: 19456

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19451

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2 F1	1000	1306		mg/Kg		128	70 - 130		
Diesel Range Organics (Over C10-C28)	269		1000	1147		mg/Kg		88	70 - 130		

Lab Sample ID: 880-11248-A-1-D MSD

Matrix: Solid

Analysis Batch: 19456

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19451

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2 F1	998	1682	F1 F2	mg/Kg		166	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	269		998	1315		mg/Kg		105	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	93		70 - 130								

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-11248-A-1-D MSD

Matrix: Solid

Analysis Batch: 19456

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19451

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	84		70 - 130

Lab Sample ID: MB 880-19512/1-A

Matrix: Solid

Analysis Batch: 19456

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19512

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 20:29	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 20:29	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/22 13:48	02/15/22 20:29	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	102		70 - 130				02/15/22 13:48	02/15/22 20:29	1	
<i>o</i> -Terphenyl	114		70 - 130				02/15/22 13:48	02/15/22 20:29	1	

Lab Sample ID: LCS 880-19512/2-A

Matrix: Solid

Analysis Batch: 19456

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19512

		Spike	LCS	LCS				%Rec.		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	975.3		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	1062		mg/Kg		106	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	107		70 - 130							
<i>o</i> -Terphenyl	125		70 - 130							

Lab Sample ID: LCSD 880-19512/3-A

Matrix: Solid

Analysis Batch: 19456

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19512

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	966.8		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	986.4		mg/Kg		99	70 - 130	7	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	114		70 - 130								

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-11287-1 MS

Matrix: Solid

Analysis Batch: 19456

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

Prep Type: Total/NA

Prep Batch: 19512

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1139		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1035		mg/Kg		101	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	75		70 - 130						
o-Terphenyl	67	S1-	70 - 130						

Lab Sample ID: 880-11287-1 MSD

Matrix: Solid

Analysis Batch: 19456

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

Prep Type: Total/NA

Prep Batch: 19512

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1134		mg/Kg		111	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1017		mg/Kg		99	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	70		70 - 130								
o-Terphenyl	75		70 - 130								

Lab Sample ID: MB 880-19554/1-A

Matrix: Solid

Analysis Batch: 19566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19554

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		02/16/22 08:36	02/16/22 11:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/22 08:36	02/16/22 11:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/22 08:36	02/16/22 11:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130				02/16/22 08:36	02/16/22 11:26	1
o-Terphenyl	68	S1-	70 - 130				02/16/22 08:36	02/16/22 11:26	1

Lab Sample ID: LCS 880-19554/2-A

Matrix: Solid

Analysis Batch: 19566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	844.6		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	909.4		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-19554/2-A

Matrix: Solid

Analysis Batch: 19566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19554

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: LCSD 880-19554/3-A

Matrix: Solid

Analysis Batch: 19566

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19554

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	792.3		mg/Kg		79	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	839.6		mg/Kg		84	70 - 130	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-11287-35 MS

Matrix: Solid

Analysis Batch: 19566

Client Sample ID: SW 3

Prep Type: Total/NA

Prep Batch: 19554

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	922.5		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	945.4		mg/Kg		90	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	64	S1-	70 - 130
o-Terphenyl	57	S1-	70 - 130

Lab Sample ID: 880-11287-35 MSD

Matrix: Solid

Analysis Batch: 19566

Client Sample ID: SW 3

Prep Type: Total/NA

Prep Batch: 19554

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	948.8		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	983.0		mg/Kg		94	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130
o-Terphenyl	59	S1-	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-19555/1-A

Matrix: Solid

Analysis Batch: 19569

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19555

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		02/16/22 08:38	02/16/22 11:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/22 08:38	02/16/22 11:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/22 08:38	02/16/22 11:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/16/22 08:38	02/16/22 11:41	1
o-Terphenyl	91		70 - 130				02/16/22 08:38	02/16/22 11:41	1

Lab Sample ID: LCS 880-19555/2-A

Matrix: Solid

Analysis Batch: 19569

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1005		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1044		mg/Kg		104	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	108		70 - 130				
o-Terphenyl	123		70 - 130				

Lab Sample ID: LCSD 880-19555/3-A

Matrix: Solid

Analysis Batch: 19569

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	975.8		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1013		mg/Kg		101	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	118		70 - 130						

Lab Sample ID: 880-11287-38 MS

Matrix: Solid

Analysis Batch: 19569

Client Sample ID: SW 6

Prep Type: Total/NA

Prep Batch: 19555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	1000	933.5		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	1195		mg/Kg		120	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-11287-38 MS

Matrix: Solid

Analysis Batch: 19569

Client Sample ID: SW 6

Prep Type: Total/NA

Prep Batch: 19555

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	66	S1-	70 - 130

Lab Sample ID: 880-11287-38 MSD

Matrix: Solid

Analysis Batch: 19569

Client Sample ID: SW 6

Prep Type: Total/NA

Prep Batch: 19555

	Sample	Sample	Spike	MSD	MSD				%Rec.	RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	998	1256	F2	mg/Kg		123	70 - 130	29	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	1394	F1	mg/Kg		140	70 - 130	15	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
o-Terphenyl	77		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19526/1-A

Matrix: Solid

Analysis Batch: 19686

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			02/17/22 11:38	1	

Lab Sample ID: LCS 880-19526/2-A

Matrix: Solid

Analysis Batch: 19686

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	265.9		mg/Kg		106	90 - 110			

Lab Sample ID: LCSD 880-19526/3-A

Matrix: Solid

Analysis Batch: 19686

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec.	RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	269.8		mg/Kg		108	90 - 110	1	20	

Lab Sample ID: 880-11287-5 MS

Matrix: Solid

Analysis Batch: 19686

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

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	221	F1	249	498.6	F1	mg/Kg		111	90 - 110	

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-11287-5 MSD

Matrix: Solid

Analysis Batch: 19686

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	221	F1	249	498.0	F1	mg/Kg		111	90 - 110	0	20

Lab Sample ID: MB 880-19527/1-A

Matrix: Solid

Analysis Batch: 19687

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			02/17/22 21:25	1

Lab Sample ID: LCS 880-19527/2-A

Matrix: Solid

Analysis Batch: 19687

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 880-19527/3-A

Matrix: Solid

Analysis Batch: 19687

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	270.3		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 880-11287-15 MS

Matrix: Solid

Analysis Batch: 19687

Client Sample ID: BH-15 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	402	F1	252	693.4	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-11287-15 MSD

Matrix: Solid

Analysis Batch: 19687

Client Sample ID: BH-15 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	402	F1	252	682.3	F1	mg/Kg		111	90 - 110	2	20

Lab Sample ID: 880-11287-25 MS

Matrix: Solid

Analysis Batch: 19687

Client Sample ID: BH-25 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	53.8	F1	248	341.6	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-11287-25 MSD

Matrix: Solid

Analysis Batch: 19687

Client Sample ID: BH-25 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	53.8	F1	248	338.1	F1	mg/Kg		115	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19528/1-A

Matrix: Solid

Analysis Batch: 19688

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			02/18/22 02:35	1

Lab Sample ID: LCS 880-19528/2-A

Matrix: Solid

Analysis Batch: 19688

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	267.5		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-19528/3-A

Matrix: Solid

Analysis Batch: 19688

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	268.1		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-11287-35 MS

Matrix: Solid

Analysis Batch: 19688

Client Sample ID: SW 3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	96.3	F1	248	377.1	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-11287-35 MSD

Matrix: Solid

Analysis Batch: 19688

Client Sample ID: SW 3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	96.3	F1	248	372.2	F1	mg/Kg		111	90 - 110	1	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 19371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19371/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 19448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-1	BH-1 (0-6")	Total/NA	Solid	8021B	19467
880-11287-2	BH-2 (0-6")	Total/NA	Solid	8021B	19467
880-11287-3	BH-3 (0-6")	Total/NA	Solid	8021B	19467
880-11287-4	BH-4 (0-6")	Total/NA	Solid	8021B	19467
880-11287-5	BH-5 (0-6")	Total/NA	Solid	8021B	19467
880-11287-6	BH-6 (0-6")	Total/NA	Solid	8021B	19467
880-11287-7	BH-7 (0-6")	Total/NA	Solid	8021B	19467
880-11287-8	BH-8 (0-6")	Total/NA	Solid	8021B	19467
880-11287-9	BH-9 (0-6")	Total/NA	Solid	8021B	19467
MB 880-19371/5-A	Method Blank	Total/NA	Solid	8021B	19371
MB 880-19467/5-A	Method Blank	Total/NA	Solid	8021B	19467
LCS 880-19467/1-A	Lab Control Sample	Total/NA	Solid	8021B	19467
LCSD 880-19467/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19467
880-11264-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	19467
880-11264-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	19467

Analysis Batch: 19449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-10	BH-10 (0-6")	Total/NA	Solid	8021B	19514
880-11287-11	BH-11 (0-6")	Total/NA	Solid	8021B	19514
880-11287-12	BH-12 (0-6")	Total/NA	Solid	8021B	19514
880-11287-13	BH-13 (0-6")	Total/NA	Solid	8021B	19514
880-11287-14	BH-14 (0-6")	Total/NA	Solid	8021B	19514
880-11287-15	BH-15 (0-6")	Total/NA	Solid	8021B	19514
880-11287-16	BH-16 (0-6")	Total/NA	Solid	8021B	19514
880-11287-17	BH-17 (0-6")	Total/NA	Solid	8021B	19514
880-11287-18	BH-18 (0-6")	Total/NA	Solid	8021B	19514
880-11287-19	BH-19 (0-6")	Total/NA	Solid	8021B	19514

Prep Batch: 19467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-1	BH-1 (0-6")	Total/NA	Solid	5035	
880-11287-2	BH-2 (0-6")	Total/NA	Solid	5035	
880-11287-3	BH-3 (0-6")	Total/NA	Solid	5035	
880-11287-4	BH-4 (0-6")	Total/NA	Solid	5035	
880-11287-5	BH-5 (0-6")	Total/NA	Solid	5035	
880-11287-6	BH-6 (0-6")	Total/NA	Solid	5035	
880-11287-7	BH-7 (0-6")	Total/NA	Solid	5035	
880-11287-8	BH-8 (0-6")	Total/NA	Solid	5035	
880-11287-9	BH-9 (0-6")	Total/NA	Solid	5035	
MB 880-19467/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19467/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19467/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11264-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-11264-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 19514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-10	BH-10 (0-6")	Total/NA	Solid	5035	
880-11287-11	BH-11 (0-6")	Total/NA	Solid	5035	
880-11287-12	BH-12 (0-6")	Total/NA	Solid	5035	
880-11287-13	BH-13 (0-6")	Total/NA	Solid	5035	
880-11287-14	BH-14 (0-6")	Total/NA	Solid	5035	
880-11287-15	BH-15 (0-6")	Total/NA	Solid	5035	
880-11287-16	BH-16 (0-6")	Total/NA	Solid	5035	
880-11287-17	BH-17 (0-6")	Total/NA	Solid	5035	
880-11287-18	BH-18 (0-6")	Total/NA	Solid	5035	
880-11287-19	BH-19 (0-6")	Total/NA	Solid	5035	

Prep Batch: 19550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19550/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 19551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-20	BH-20 (0-6")	Total/NA	Solid	8021B	19552
880-11287-21	BH-21 (0-6")	Total/NA	Solid	8021B	19552
880-11287-22	BH-22 (0-6")	Total/NA	Solid	8021B	19552
880-11287-23	BH-23 (0-6")	Total/NA	Solid	8021B	19552
880-11287-24	BH-24 (0-6")	Total/NA	Solid	8021B	19552
880-11287-25	BH-25 (0-6")	Total/NA	Solid	8021B	19552
880-11287-26	BH-26 (0-6")	Total/NA	Solid	8021B	19552
880-11287-27	BH-27 (0-6")	Total/NA	Solid	8021B	19552
880-11287-28	BH-28 (0-6")	Total/NA	Solid	8021B	19552
880-11287-29	BH-29 (0-6")	Total/NA	Solid	8021B	19552
880-11287-30	BH-30 (0-6")	Total/NA	Solid	8021B	19552
880-11287-31	BH-31 (0-6")	Total/NA	Solid	8021B	19552
880-11287-32	BH-32 (0-6")	Total/NA	Solid	8021B	19552
880-11287-33	SW 1	Total/NA	Solid	8021B	19552
880-11287-34	SW 2	Total/NA	Solid	8021B	19552
880-11287-35	SW 3	Total/NA	Solid	8021B	19552
880-11287-36	SW 4	Total/NA	Solid	8021B	19552
880-11287-37	SW 5	Total/NA	Solid	8021B	19552
880-11287-38	SW 6	Total/NA	Solid	8021B	19552
880-11287-39	SW 7	Total/NA	Solid	8021B	19552
MB 880-19550/5-A	Method Blank	Total/NA	Solid	8021B	19550
MB 880-19552/5-A	Method Blank	Total/NA	Solid	8021B	19552
LCS 880-19552/1-A	Lab Control Sample	Total/NA	Solid	8021B	19552
LCSD 880-19552/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19552
880-11287-20 MS	BH-20 (0-6")	Total/NA	Solid	8021B	19552
880-11287-20 MSD	BH-20 (0-6")	Total/NA	Solid	8021B	19552

Prep Batch: 19552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-20	BH-20 (0-6")	Total/NA	Solid	5035	
880-11287-21	BH-21 (0-6")	Total/NA	Solid	5035	
880-11287-22	BH-22 (0-6")	Total/NA	Solid	5035	
880-11287-23	BH-23 (0-6")	Total/NA	Solid	5035	
880-11287-24	BH-24 (0-6")	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 19552 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-25	BH-25 (0-6")	Total/NA	Solid	5035	
880-11287-26	BH-26 (0-6")	Total/NA	Solid	5035	
880-11287-27	BH-27 (0-6")	Total/NA	Solid	5035	
880-11287-28	BH-28 (0-6")	Total/NA	Solid	5035	
880-11287-29	BH-29 (0-6")	Total/NA	Solid	5035	
880-11287-30	BH-30 (0-6")	Total/NA	Solid	5035	
880-11287-31	BH-31 (0-6")	Total/NA	Solid	5035	
880-11287-32	BH-32 (0-6")	Total/NA	Solid	5035	
880-11287-33	SW 1	Total/NA	Solid	5035	
880-11287-34	SW 2	Total/NA	Solid	5035	
880-11287-35	SW 3	Total/NA	Solid	5035	
880-11287-36	SW 4	Total/NA	Solid	5035	
880-11287-37	SW 5	Total/NA	Solid	5035	
880-11287-38	SW 6	Total/NA	Solid	5035	
880-11287-39	SW 7	Total/NA	Solid	5035	
MB 880-19552/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19552/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19552/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11287-20 MS	BH-20 (0-6")	Total/NA	Solid	5035	
880-11287-20 MSD	BH-20 (0-6")	Total/NA	Solid	5035	

Analysis Batch: 19616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-1	BH-1 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-2	BH-2 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-3	BH-3 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-4	BH-4 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-5	BH-5 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-6	BH-6 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-7	BH-7 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-8	BH-8 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-9	BH-9 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-10	BH-10 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-11	BH-11 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-12	BH-12 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-13	BH-13 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-14	BH-14 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-15	BH-15 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-16	BH-16 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-17	BH-17 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-18	BH-18 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-19	BH-19 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-20	BH-20 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-21	BH-21 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-22	BH-22 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-23	BH-23 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-24	BH-24 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-25	BH-25 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-26	BH-26 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-27	BH-27 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-28	BH-28 (0-6")	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 19616 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-29	BH-29 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-30	BH-30 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-31	BH-31 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-32	BH-32 (0-6")	Total/NA	Solid	Total BTEX	
880-11287-33	SW 1	Total/NA	Solid	Total BTEX	
880-11287-34	SW 2	Total/NA	Solid	Total BTEX	
880-11287-35	SW 3	Total/NA	Solid	Total BTEX	
880-11287-36	SW 4	Total/NA	Solid	Total BTEX	
880-11287-37	SW 5	Total/NA	Solid	Total BTEX	
880-11287-38	SW 6	Total/NA	Solid	Total BTEX	
880-11287-39	SW 7	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 19451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-21	BH-21 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-22	BH-22 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-23	BH-23 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-24	BH-24 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-25	BH-25 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-26	BH-26 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-27	BH-27 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-28	BH-28 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-29	BH-29 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-30	BH-30 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-31	BH-31 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-32	BH-32 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-33	SW 1	Total/NA	Solid	8015NM Prep	
880-11287-34	SW 2	Total/NA	Solid	8015NM Prep	
MB 880-19451/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19451/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11248-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11248-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-1	BH-1 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-2	BH-2 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-3	BH-3 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-4	BH-4 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-5	BH-5 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-6	BH-6 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-7	BH-7 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-8	BH-8 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-9	BH-9 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-10	BH-10 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-11	BH-11 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-12	BH-12 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-13	BH-13 (0-6")	Total/NA	Solid	8015B NM	19512

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 19456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-14	BH-14 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-15	BH-15 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-16	BH-16 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-17	BH-17 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-18	BH-18 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-19	BH-19 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-20	BH-20 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-21	BH-21 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-22	BH-22 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-23	BH-23 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-24	BH-24 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-25	BH-25 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-26	BH-26 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-27	BH-27 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-28	BH-28 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-29	BH-29 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-30	BH-30 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-31	BH-31 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-32	BH-32 (0-6")	Total/NA	Solid	8015B NM	19451
880-11287-33	SW 1	Total/NA	Solid	8015B NM	19451
880-11287-34	SW 2	Total/NA	Solid	8015B NM	19451
MB 880-19451/1-A	Method Blank	Total/NA	Solid	8015B NM	19451
MB 880-19512/1-A	Method Blank	Total/NA	Solid	8015B NM	19512
LCS 880-19451/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19451
LCS 880-19512/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19512
LCSD 880-19451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19451
LCSD 880-19512/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19512
880-11248-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	19451
880-11248-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19451
880-11287-1 MS	BH-1 (0-6")	Total/NA	Solid	8015B NM	19512
880-11287-1 MSD	BH-1 (0-6")	Total/NA	Solid	8015B NM	19512

Prep Batch: 19512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-1	BH-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-2	BH-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-3	BH-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-4	BH-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-5	BH-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-6	BH-6 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-7	BH-7 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-8	BH-8 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-9	BH-9 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-10	BH-10 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-11	BH-11 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-12	BH-12 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-13	BH-13 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-14	BH-14 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-15	BH-15 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-16	BH-16 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-17	BH-17 (0-6")	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 19512 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-18	BH-18 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-19	BH-19 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-20	BH-20 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-19512/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19512/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19512/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11287-1 MS	BH-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-11287-1 MSD	BH-1 (0-6")	Total/NA	Solid	8015NM Prep	

Prep Batch: 19554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-35	SW 3	Total/NA	Solid	8015NM Prep	
880-11287-36	SW 4	Total/NA	Solid	8015NM Prep	
880-11287-37	SW 5	Total/NA	Solid	8015NM Prep	
MB 880-19554/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19554/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19554/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11287-35 MS	SW 3	Total/NA	Solid	8015NM Prep	
880-11287-35 MSD	SW 3	Total/NA	Solid	8015NM Prep	

Prep Batch: 19555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-38	SW 6	Total/NA	Solid	8015NM Prep	
880-11287-39	SW 7	Total/NA	Solid	8015NM Prep	
MB 880-19555/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19555/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11287-38 MS	SW 6	Total/NA	Solid	8015NM Prep	
880-11287-38 MSD	SW 6	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-35	SW 3	Total/NA	Solid	8015B NM	19554
880-11287-36	SW 4	Total/NA	Solid	8015B NM	19554
880-11287-37	SW 5	Total/NA	Solid	8015B NM	19554
MB 880-19554/1-A	Method Blank	Total/NA	Solid	8015B NM	19554
LCS 880-19554/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19554
LCSD 880-19554/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19554
880-11287-35 MS	SW 3	Total/NA	Solid	8015B NM	19554
880-11287-35 MSD	SW 3	Total/NA	Solid	8015B NM	19554

Analysis Batch: 19569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-38	SW 6	Total/NA	Solid	8015B NM	19555
880-11287-39	SW 7	Total/NA	Solid	8015B NM	19555
MB 880-19555/1-A	Method Blank	Total/NA	Solid	8015B NM	19555
LCS 880-19555/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19555
LCSD 880-19555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19555
880-11287-38 MS	SW 6	Total/NA	Solid	8015B NM	19555
880-11287-38 MSD	SW 6	Total/NA	Solid	8015B NM	19555

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 19694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-1	BH-1 (0-6")	Total/NA	Solid	8015 NM	
880-11287-2	BH-2 (0-6")	Total/NA	Solid	8015 NM	
880-11287-3	BH-3 (0-6")	Total/NA	Solid	8015 NM	
880-11287-4	BH-4 (0-6")	Total/NA	Solid	8015 NM	
880-11287-5	BH-5 (0-6")	Total/NA	Solid	8015 NM	
880-11287-6	BH-6 (0-6")	Total/NA	Solid	8015 NM	
880-11287-7	BH-7 (0-6")	Total/NA	Solid	8015 NM	
880-11287-8	BH-8 (0-6")	Total/NA	Solid	8015 NM	
880-11287-9	BH-9 (0-6")	Total/NA	Solid	8015 NM	
880-11287-10	BH-10 (0-6")	Total/NA	Solid	8015 NM	
880-11287-11	BH-11 (0-6")	Total/NA	Solid	8015 NM	
880-11287-12	BH-12 (0-6")	Total/NA	Solid	8015 NM	
880-11287-13	BH-13 (0-6")	Total/NA	Solid	8015 NM	
880-11287-14	BH-14 (0-6")	Total/NA	Solid	8015 NM	
880-11287-15	BH-15 (0-6")	Total/NA	Solid	8015 NM	
880-11287-16	BH-16 (0-6")	Total/NA	Solid	8015 NM	
880-11287-17	BH-17 (0-6")	Total/NA	Solid	8015 NM	
880-11287-18	BH-18 (0-6")	Total/NA	Solid	8015 NM	
880-11287-19	BH-19 (0-6")	Total/NA	Solid	8015 NM	
880-11287-20	BH-20 (0-6")	Total/NA	Solid	8015 NM	
880-11287-21	BH-21 (0-6")	Total/NA	Solid	8015 NM	
880-11287-22	BH-22 (0-6")	Total/NA	Solid	8015 NM	
880-11287-23	BH-23 (0-6")	Total/NA	Solid	8015 NM	
880-11287-24	BH-24 (0-6")	Total/NA	Solid	8015 NM	
880-11287-25	BH-25 (0-6")	Total/NA	Solid	8015 NM	
880-11287-26	BH-26 (0-6")	Total/NA	Solid	8015 NM	
880-11287-27	BH-27 (0-6")	Total/NA	Solid	8015 NM	
880-11287-28	BH-28 (0-6")	Total/NA	Solid	8015 NM	
880-11287-29	BH-29 (0-6")	Total/NA	Solid	8015 NM	
880-11287-30	BH-30 (0-6")	Total/NA	Solid	8015 NM	
880-11287-31	BH-31 (0-6")	Total/NA	Solid	8015 NM	
880-11287-32	BH-32 (0-6")	Total/NA	Solid	8015 NM	
880-11287-33	SW 1	Total/NA	Solid	8015 NM	
880-11287-34	SW 2	Total/NA	Solid	8015 NM	
880-11287-35	SW 3	Total/NA	Solid	8015 NM	
880-11287-36	SW 4	Total/NA	Solid	8015 NM	
880-11287-37	SW 5	Total/NA	Solid	8015 NM	
880-11287-38	SW 6	Total/NA	Solid	8015 NM	
880-11287-39	SW 7	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-1	BH-1 (0-6")	Soluble	Solid	DI Leach	
880-11287-2	BH-2 (0-6")	Soluble	Solid	DI Leach	
880-11287-3	BH-3 (0-6")	Soluble	Solid	DI Leach	
880-11287-4	BH-4 (0-6")	Soluble	Solid	DI Leach	
880-11287-5	BH-5 (0-6")	Soluble	Solid	DI Leach	
880-11287-6	BH-6 (0-6")	Soluble	Solid	DI Leach	
880-11287-7	BH-7 (0-6")	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 19526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-8	BH-8 (0-6")	Soluble	Solid	DI Leach	
880-11287-9	BH-9 (0-6")	Soluble	Solid	DI Leach	
880-11287-10	BH-10 (0-6")	Soluble	Solid	DI Leach	
880-11287-11	BH-11 (0-6")	Soluble	Solid	DI Leach	
880-11287-12	BH-12 (0-6")	Soluble	Solid	DI Leach	
880-11287-13	BH-13 (0-6")	Soluble	Solid	DI Leach	
880-11287-14	BH-14 (0-6")	Soluble	Solid	DI Leach	
MB 880-19526/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19526/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19526/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11287-5 MS	BH-5 (0-6")	Soluble	Solid	DI Leach	
880-11287-5 MSD	BH-5 (0-6")	Soluble	Solid	DI Leach	

Leach Batch: 19527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-15	BH-15 (0-6")	Soluble	Solid	DI Leach	
880-11287-16	BH-16 (0-6")	Soluble	Solid	DI Leach	
880-11287-17	BH-17 (0-6")	Soluble	Solid	DI Leach	
880-11287-18	BH-18 (0-6")	Soluble	Solid	DI Leach	
880-11287-19	BH-19 (0-6")	Soluble	Solid	DI Leach	
880-11287-20	BH-20 (0-6")	Soluble	Solid	DI Leach	
880-11287-21	BH-21 (0-6")	Soluble	Solid	DI Leach	
880-11287-22	BH-22 (0-6")	Soluble	Solid	DI Leach	
880-11287-23	BH-23 (0-6")	Soluble	Solid	DI Leach	
880-11287-24	BH-24 (0-6")	Soluble	Solid	DI Leach	
880-11287-25	BH-25 (0-6")	Soluble	Solid	DI Leach	
880-11287-26	BH-26 (0-6")	Soluble	Solid	DI Leach	
880-11287-27	BH-27 (0-6")	Soluble	Solid	DI Leach	
880-11287-28	BH-28 (0-6")	Soluble	Solid	DI Leach	
880-11287-29	BH-29 (0-6")	Soluble	Solid	DI Leach	
880-11287-30	BH-30 (0-6")	Soluble	Solid	DI Leach	
880-11287-31	BH-31 (0-6")	Soluble	Solid	DI Leach	
880-11287-32	BH-32 (0-6")	Soluble	Solid	DI Leach	
880-11287-33	SW 1	Soluble	Solid	DI Leach	
880-11287-34	SW 2	Soluble	Solid	DI Leach	
MB 880-19527/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19527/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19527/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11287-15 MS	BH-15 (0-6")	Soluble	Solid	DI Leach	
880-11287-15 MSD	BH-15 (0-6")	Soluble	Solid	DI Leach	
880-11287-25 MS	BH-25 (0-6")	Soluble	Solid	DI Leach	
880-11287-25 MSD	BH-25 (0-6")	Soluble	Solid	DI Leach	

Leach Batch: 19528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-35	SW 3	Soluble	Solid	DI Leach	
880-11287-36	SW 4	Soluble	Solid	DI Leach	
880-11287-37	SW 5	Soluble	Solid	DI Leach	
880-11287-38	SW 6	Soluble	Solid	DI Leach	
880-11287-39	SW 7	Soluble	Solid	DI Leach	
MB 880-19528/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 19528 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-19528/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19528/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11287-35 MS	SW 3	Soluble	Solid	DI Leach	
880-11287-35 MSD	SW 3	Soluble	Solid	DI Leach	

Analysis Batch: 19686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-1	BH-1 (0-6")	Soluble	Solid	300.0	19526
880-11287-2	BH-2 (0-6")	Soluble	Solid	300.0	19526
880-11287-3	BH-3 (0-6")	Soluble	Solid	300.0	19526
880-11287-4	BH-4 (0-6")	Soluble	Solid	300.0	19526
880-11287-5	BH-5 (0-6")	Soluble	Solid	300.0	19526
880-11287-6	BH-6 (0-6")	Soluble	Solid	300.0	19526
880-11287-7	BH-7 (0-6")	Soluble	Solid	300.0	19526
880-11287-8	BH-8 (0-6")	Soluble	Solid	300.0	19526
880-11287-9	BH-9 (0-6")	Soluble	Solid	300.0	19526
880-11287-10	BH-10 (0-6")	Soluble	Solid	300.0	19526
880-11287-11	BH-11 (0-6")	Soluble	Solid	300.0	19526
880-11287-12	BH-12 (0-6")	Soluble	Solid	300.0	19526
880-11287-13	BH-13 (0-6")	Soluble	Solid	300.0	19526
880-11287-14	BH-14 (0-6")	Soluble	Solid	300.0	19526
MB 880-19526/1-A	Method Blank	Soluble	Solid	300.0	19526
LCS 880-19526/2-A	Lab Control Sample	Soluble	Solid	300.0	19526
LCSD 880-19526/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19526
880-11287-5 MS	BH-5 (0-6")	Soluble	Solid	300.0	19526
880-11287-5 MSD	BH-5 (0-6")	Soluble	Solid	300.0	19526

Analysis Batch: 19687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-15	BH-15 (0-6")	Soluble	Solid	300.0	19527
880-11287-16	BH-16 (0-6")	Soluble	Solid	300.0	19527
880-11287-17	BH-17 (0-6")	Soluble	Solid	300.0	19527
880-11287-18	BH-18 (0-6")	Soluble	Solid	300.0	19527
880-11287-19	BH-19 (0-6")	Soluble	Solid	300.0	19527
880-11287-20	BH-20 (0-6")	Soluble	Solid	300.0	19527
880-11287-21	BH-21 (0-6")	Soluble	Solid	300.0	19527
880-11287-22	BH-22 (0-6")	Soluble	Solid	300.0	19527
880-11287-23	BH-23 (0-6")	Soluble	Solid	300.0	19527
880-11287-24	BH-24 (0-6")	Soluble	Solid	300.0	19527
880-11287-25	BH-25 (0-6")	Soluble	Solid	300.0	19527
880-11287-26	BH-26 (0-6")	Soluble	Solid	300.0	19527
880-11287-27	BH-27 (0-6")	Soluble	Solid	300.0	19527
880-11287-28	BH-28 (0-6")	Soluble	Solid	300.0	19527
880-11287-29	BH-29 (0-6")	Soluble	Solid	300.0	19527
880-11287-30	BH-30 (0-6")	Soluble	Solid	300.0	19527
880-11287-31	BH-31 (0-6")	Soluble	Solid	300.0	19527
880-11287-32	BH-32 (0-6")	Soluble	Solid	300.0	19527
880-11287-33	SW 1	Soluble	Solid	300.0	19527
880-11287-34	SW 2	Soluble	Solid	300.0	19527
MB 880-19527/1-A	Method Blank	Soluble	Solid	300.0	19527
LCS 880-19527/2-A	Lab Control Sample	Soluble	Solid	300.0	19527

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 19687 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-19527/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19527
880-11287-15 MS	BH-15 (0-6")	Soluble	Solid	300.0	19527
880-11287-15 MSD	BH-15 (0-6")	Soluble	Solid	300.0	19527
880-11287-25 MS	BH-25 (0-6")	Soluble	Solid	300.0	19527
880-11287-25 MSD	BH-25 (0-6")	Soluble	Solid	300.0	19527

Analysis Batch: 19688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11287-35	SW 3	Soluble	Solid	300.0	19528
880-11287-36	SW 4	Soluble	Solid	300.0	19528
880-11287-37	SW 5	Soluble	Solid	300.0	19528
880-11287-38	SW 6	Soluble	Solid	300.0	19528
880-11287-39	SW 7	Soluble	Solid	300.0	19528
MB 880-19528/1-A	Method Blank	Soluble	Solid	300.0	19528
LCS 880-19528/2-A	Lab Control Sample	Soluble	Solid	300.0	19528
LCSD 880-19528/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19528
880-11287-35 MS	SW 3	Soluble	Solid	300.0	19528
880-11287-35 MSD	SW 3	Soluble	Solid	300.0	19528

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-11287-1

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19467	02/15/22 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19448	02/16/22 04:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 21:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 14:12	CH	XEN MID

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

Lab Sample ID: 880-11287-2

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	19467	02/15/22 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19448	02/16/22 04:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 22:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 14:24	CH	XEN MID

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

Lab Sample ID: 880-11287-3

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19467	02/15/22 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19448	02/16/22 04:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 22:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 14:36	CH	XEN MID

Client Sample ID: BH-4 (0-6")

Lab Sample ID: 880-11287-4

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	19467	02/15/22 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19448	02/16/22 05:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-4 (0-6")

Lab Sample ID: 880-11287-4

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 23:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 14:48	CH	XEN MID

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

Lab Sample ID: 880-11287-5

Date Collected: 02/14/22 10:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	19467	02/15/22 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19448	02/16/22 05:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 23:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 15:00	CH	XEN MID

Client Sample ID: BH-6 (0-6")

Lab Sample ID: 880-11287-6

Date Collected: 02/14/22 10:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19467	02/15/22 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19448	02/16/22 05:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 23:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 15:35	CH	XEN MID

Client Sample ID: BH-7 (0-6")

Lab Sample ID: 880-11287-7

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	19467	02/15/22 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19448	02/16/22 06:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 00:18	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-7 (0-6")

Lab Sample ID: 880-11287-7

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 15:47	CH	XEN MID

Client Sample ID: BH-8 (0-6")

Lab Sample ID: 880-11287-8

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	19467	02/15/22 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19448	02/16/22 06:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 00:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 16:23	CH	XEN MID

Client Sample ID: BH-9 (0-6")

Lab Sample ID: 880-11287-9

Date Collected: 02/14/22 12:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	19467	02/15/22 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19448	02/16/22 06:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 01:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 16:35	CH	XEN MID

Client Sample ID: BH-10 (0-6")

Lab Sample ID: 880-11287-10

Date Collected: 02/14/22 12:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 03:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 01:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 16:46	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-11 (0-6")

Lab Sample ID: 880-11287-11

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 03:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 02:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 16:58	CH	XEN MID

Client Sample ID: BH-12 (0-6")

Lab Sample ID: 880-11287-12

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 04:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 02:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 17:10	CH	XEN MID

Client Sample ID: BH-13 (0-6")

Lab Sample ID: 880-11287-13

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 04:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 02:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 17:22	CH	XEN MID

Client Sample ID: BH-14 (0-6")

Lab Sample ID: 880-11287-14

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 04:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-14 (0-6")

Lab Sample ID: 880-11287-14

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 03:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19526	02/15/22 19:48	SC	XEN MID
Soluble	Analysis	300.0		1			19686	02/17/22 17:34	CH	XEN MID

Client Sample ID: BH-15 (0-6")

Lab Sample ID: 880-11287-15

Date Collected: 02/14/22 10:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 05:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 03:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 21:51	CH	XEN MID

Client Sample ID: BH-16 (0-6")

Lab Sample ID: 880-11287-16

Date Collected: 02/14/22 10:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 05:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 03:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 22:18	CH	XEN MID

Client Sample ID: BH-17 (0-6")

Lab Sample ID: 880-11287-17

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 06:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 04:11	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-17 (0-6")

Lab Sample ID: 880-11287-17

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 22:27	CH	XEN MID

Client Sample ID: BH-18 (0-6")

Lab Sample ID: 880-11287-18

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 06:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 04:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 22:36	CH	XEN MID

Client Sample ID: BH-19 (0-6")

Lab Sample ID: 880-11287-19

Date Collected: 02/14/22 12:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19514	02/15/22 14:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19449	02/16/22 07:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 04:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 22:45	CH	XEN MID

Client Sample ID: BH-20 (0-6")

Lab Sample ID: 880-11287-20

Date Collected: 02/14/22 12:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 00:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19512	02/15/22 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/16/22 05:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 23:11	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-21 (0-6")

Lab Sample ID: 880-11287-21

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 00:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 14:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 23:20	CH	XEN MID

Client Sample ID: BH-22 (0-6")

Lab Sample ID: 880-11287-22

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 00:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 14:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 23:29	CH	XEN MID

Client Sample ID: BH-23 (0-6")

Lab Sample ID: 880-11287-23

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 01:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 23:38	CH	XEN MID

Client Sample ID: BH-24 (0-6")

Lab Sample ID: 880-11287-24

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 01:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-24 (0-6")

Lab Sample ID: 880-11287-24

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 15:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 23:46	CH	XEN MID

Client Sample ID: BH-25 (0-6")

Lab Sample ID: 880-11287-25

Date Collected: 02/14/22 10:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 02:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 15:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/17/22 23:55	CH	XEN MID

Client Sample ID: BH-26 (0-6")

Lab Sample ID: 880-11287-26

Date Collected: 02/14/22 10:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 02:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 15:58	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/18/22 00:22	CH	XEN MID

Client Sample ID: BH-27 (0-6")

Lab Sample ID: 880-11287-27

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 02:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 16:40	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-27 (0-6")

Lab Sample ID: 880-11287-27

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/18/22 00:31	CH	XEN MID

Client Sample ID: BH-28 (0-6")

Lab Sample ID: 880-11287-28

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 03:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 17:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/18/22 00:57	CH	XEN MID

Client Sample ID: BH-29 (0-6")

Lab Sample ID: 880-11287-29

Date Collected: 02/14/22 12:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 03:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 17:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/18/22 01:06	CH	XEN MID

Client Sample ID: BH-30 (0-6")

Lab Sample ID: 880-11287-30

Date Collected: 02/14/22 12:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 05:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 17:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/18/22 01:15	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: BH-31 (0-6")

Lab Sample ID: 880-11287-31

Date Collected: 02/14/22 08:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 05:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 18:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/18/22 01:24	CH	XEN MID

Client Sample ID: BH-32 (0-6")

Lab Sample ID: 880-11287-32

Date Collected: 02/14/22 08:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 05:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 18:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/18/22 01:33	CH	XEN MID

Client Sample ID: SW 1

Lab Sample ID: 880-11287-33

Date Collected: 02/14/22 09:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 06:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19451	02/15/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 18:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/18/22 01:42	CH	XEN MID

Client Sample ID: SW 2

Lab Sample ID: 880-11287-34

Date Collected: 02/14/22 09:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 06:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: SW 2

Date Collected: 02/14/22 09:30

Date Received: 02/15/22 13:01

Lab Sample ID: 880-11287-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19451	02/15/22 17:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19456	02/15/22 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19527	02/15/22 19:51	SC	XEN MID
Soluble	Analysis	300.0		1			19687	02/18/22 01:50	CH	XEN MID

Client Sample ID: SW 3

Date Collected: 02/14/22 10:00

Date Received: 02/15/22 13:01

Lab Sample ID: 880-11287-35

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 06:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19554	02/16/22 08:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19566	02/16/22 12:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19528	02/15/22 19:53	SC	XEN MID
Soluble	Analysis	300.0		1			19688	02/18/22 03:01	CH	XEN MID

Client Sample ID: SW 4

Date Collected: 02/14/22 10:30

Date Received: 02/15/22 13:01

Lab Sample ID: 880-11287-36

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 07:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19554	02/16/22 08:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19566	02/16/22 13:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19528	02/15/22 19:53	SC	XEN MID
Soluble	Analysis	300.0		1			19688	02/18/22 03:28	CH	XEN MID

Client Sample ID: SW 5

Date Collected: 02/14/22 11:00

Date Received: 02/15/22 13:01

Lab Sample ID: 880-11287-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 07:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19554	02/16/22 08:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19566	02/16/22 13:52	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Client Sample ID: SW 5

Lab Sample ID: 880-11287-37

Date Collected: 02/14/22 11:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	19528	02/15/22 19:53	SC	XEN MID
Soluble	Analysis	300.0		1			19688	02/18/22 03:37	CH	XEN MID

Client Sample ID: SW 6

Lab Sample ID: 880-11287-38

Date Collected: 02/14/22 11:30

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 07:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19555	02/16/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19569	02/16/22 13:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19528	02/15/22 19:53	SC	XEN MID
Soluble	Analysis	300.0		1			19688	02/18/22 03:45	CH	XEN MID

Client Sample ID: SW 7

Lab Sample ID: 880-11287-39

Date Collected: 02/14/22 00:00

Matrix: Solid

Date Received: 02/15/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	19552	02/16/22 08:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19551	02/17/22 08:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			19616	02/16/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19694	02/17/22 13:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19555	02/16/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19569	02/16/22 14:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19528	02/15/22 19:53	SC	XEN MID
Soluble	Analysis	300.0		1			19688	02/18/22 03:54	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA State Resources

Job ID: 880-11287-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11287-1	BH-1 (0-6")	Solid	02/14/22 08:00	02/15/22 13:01
880-11287-2	BH-2 (0-6")	Solid	02/14/22 08:30	02/15/22 13:01
880-11287-3	BH-3 (0-6")	Solid	02/14/22 09:00	02/15/22 13:01
880-11287-4	BH-4 (0-6")	Solid	02/14/22 09:30	02/15/22 13:01
880-11287-5	BH-5 (0-6")	Solid	02/14/22 10:00	02/15/22 13:01
880-11287-6	BH-6 (0-6")	Solid	02/14/22 10:30	02/15/22 13:01
880-11287-7	BH-7 (0-6")	Solid	02/14/22 11:00	02/15/22 13:01
880-11287-8	BH-8 (0-6")	Solid	02/14/22 11:30	02/15/22 13:01
880-11287-9	BH-9 (0-6")	Solid	02/14/22 12:00	02/15/22 13:01
880-11287-10	BH-10 (0-6")	Solid	02/14/22 12:30	02/15/22 13:01
880-11287-11	BH-11 (0-6")	Solid	02/14/22 08:00	02/15/22 13:01
880-11287-12	BH-12 (0-6")	Solid	02/14/22 08:30	02/15/22 13:01
880-11287-13	BH-13 (0-6")	Solid	02/14/22 09:00	02/15/22 13:01
880-11287-14	BH-14 (0-6")	Solid	02/14/22 09:30	02/15/22 13:01
880-11287-15	BH-15 (0-6")	Solid	02/14/22 10:00	02/15/22 13:01
880-11287-16	BH-16 (0-6")	Solid	02/14/22 10:30	02/15/22 13:01
880-11287-17	BH-17 (0-6")	Solid	02/14/22 11:00	02/15/22 13:01
880-11287-18	BH-18 (0-6")	Solid	02/14/22 11:30	02/15/22 13:01
880-11287-19	BH-19 (0-6")	Solid	02/14/22 12:00	02/15/22 13:01
880-11287-20	BH-20 (0-6")	Solid	02/14/22 12:30	02/15/22 13:01
880-11287-21	BH-21 (0-6")	Solid	02/14/22 08:00	02/15/22 13:01
880-11287-22	BH-22 (0-6")	Solid	02/14/22 08:30	02/15/22 13:01
880-11287-23	BH-23 (0-6")	Solid	02/14/22 09:00	02/15/22 13:01
880-11287-24	BH-24 (0-6")	Solid	02/14/22 09:30	02/15/22 13:01
880-11287-25	BH-25 (0-6")	Solid	02/14/22 10:00	02/15/22 13:01
880-11287-26	BH-26 (0-6")	Solid	02/14/22 10:30	02/15/22 13:01
880-11287-27	BH-27 (0-6")	Solid	02/14/22 11:00	02/15/22 13:01
880-11287-28	BH-28 (0-6")	Solid	02/14/22 11:30	02/15/22 13:01
880-11287-29	BH-29 (0-6")	Solid	02/14/22 12:00	02/15/22 13:01
880-11287-30	BH-30 (0-6")	Solid	02/14/22 12:30	02/15/22 13:01
880-11287-31	BH-31 (0-6")	Solid	02/14/22 08:00	02/15/22 13:01
880-11287-32	BH-32 (0-6")	Solid	02/14/22 08:30	02/15/22 13:01
880-11287-33	SW 1	Solid	02/14/22 09:00	02/15/22 13:01
880-11287-34	SW 2	Solid	02/14/22 09:30	02/15/22 13:01
880-11287-35	SW 3	Solid	02/14/22 10:00	02/15/22 13:01
880-11287-36	SW 4	Solid	02/14/22 10:30	02/15/22 13:01
880-11287-37	SW 5	Solid	02/14/22 11:00	02/15/22 13:01
880-11287-38	SW 6	Solid	02/14/22 11:30	02/15/22 13:01
880-11287-39	SW 7	Solid	02/14/22 00:00	02/15/22 13:01

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901 West Wall St. Ste 100
 Midland Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-394

880-11287 Chain of Custody



11287

Page 1 of 1

4/18/2022

Client Name		EOG Resources		Site Manager		Brittany Long	
Project Name		Medano VA State Resources					
Project Location (county, state)		Eddy County, NM		Project #		212c-md-02264	
Invoice to		EOG Resources Attn James Kennedy					
Receiving Laboratory		Xenco (Midland, TX)		Sampler Signature		Adrian Garcia	
Comments							

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)		
		YEAR	DATE	TIME	WATER	SOIL	HCL				HNO ₃	ICE
	BH 1 (0-6")		2/14/2022	800	X		X		1 N	BTEX 8021B BTEX 8260B		
	BH 2 (0-6")		2/14/2022	830	X		X		1 N	TPH TX1005 (Ext to C35)		
	BH 3 (0-6")		2/14/2022	900	X		X		1 N	TPH 8015M (GRO - DRO - ORO)		
	BH 4 (0-6")		2/14/2022	930	X		X		1 N	PAH 8270C		
	BH 5 (0-6")		2/14/2022	1000	X		X		1 N	Total Metals Ag As Ba Cd Cr Pb Se Hg		
	BH 6 (0-6")		2/14/2022	1030	X		X		1 N	TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
	BH 7 (0-6")		2/14/2022	1100	X		X		1 N	TCLP Volatiles		
	BH 8 (0-6")		2/14/2022	1130	X		X		1 N	TCLP Semi Volatiles		
	BH 9 (0-6")		2/14/2022	1200	X		X		1 N	RCI		
	BH 10 (0-6")		2/14/2022	1230	X		X		1 N	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		
										Asbestos		

Relinquished by	Date	Time	Received by	Date	Time
CHANDLER	2/15/22	1257	Brittany Long	2/15/22	13:01
Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY	REMARKS:
01/2	☒ RUSH Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901 West Wall St, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-394

11287

Page 2 of

4/18/2022

Client Name		EOG Resources		Site Manager		Brittany Long	
Project Name		Medano VA State Resources					
Project Location (county, state)		Eddy County, NM		Project #: 212c-mnd-02284			
Invoice to		EOG Resources Attn James Kennedy					
Receiving Laboratory		Xenco (Midland, TX)		Sampler Signature		Adrian Garcia	
Comments							

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃			ICE
	BH 11 (0-6")	2/14/2022	800	X		X		1	N	
	BH 12 (0-6")	2/14/2022	830	X		X		1	N	
	BH 13 (0-6")	2/14/2022	900	X		X		1	N	
	BH 14 (0-6")	2/14/2022	930	X		X		1	N	
	BH 15 (0-6")	2/14/2022	1000	X		X		1	N	
	BH 16 (0-6")	2/14/2022	1030	X		X		1	N	
	BH 17 (0-6")	2/14/2022	1100	X		X		1	N	
	BH 18 (0-6")	2/14/2022	1130	X		X		1	N	
	BH 19 (0-6")	2/14/2022	1200	X		X		1	N	
	BH 20 (0-6")	2/14/2022	1230	X		X		1	N	

Relinquished by:	Date	Time	Received by:	Date	Time
Adrian Garcia	2/15/22	1457	Adrian Garcia	2/15/22	1301
Relinquished by:	Date	Time	Received by:	Date	Time

ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB USE ONLY	REMARKS:	BTEX 8021B	BTEX 8260B
		TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)
Sample Temperature 1/1/2 ☒ RUSH Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report		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 300 0	
		Chloride Sulfate TDS	
		General Water Chemistry (see attached list)	
	Anion/Cation Balance		
	Asbestos		

Analysis Request of Custody Record



Tetra Tech, Inc.

901 West Wall St, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-384

Client Name	EOG Resources	Site Manager	Brittany Long
Project Name	Medano VA State Resources		
Project Location (county, state)	Eddy County, NM	Project #	212c-md-02264
Invoice to	EOG Resources Attn James Kennedy		
Receiving Laboratory	Xenco (Midland, TX)	Sampler Signature	Adrian Garcia
Comments			
LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR DATE TIME	MATRIX WATER SOIL HCL HNO ₃ ICE PRESERVATIVE METHOD
	BH 21 (0-6")	2/14/2022	800
	BH 22 (0-6")	2/14/2022	830
	BH 23 (0-6")	2/14/2022	900
	BH 24 (0-6")	2/14/2022	930
	BH 25 (0-6")	2/14/2022	1000
	BH 26 (0-6")	2/14/2022	1030
	BH 27 (0-6")	2/14/2022	1100
	BH 28 (0-6")	2/14/2022	1130
	BH 29 (0-6")	2/14/2022	1200
	BH 30 (0-6")	2/14/2022	1230
Relinquished by	Adrian Garcia	Received by	Adrian Garcia
Relinquished by	Adrian Garcia	Received by	Adrian Garcia
Relinquished by	Adrian Garcia	Received by	Adrian Garcia

11287

Page 3 of 4

4/18/2022

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 300 0
- Chloride Sulfate TDS
- General Water Chemistry (see attached list)
- Anion/Cation Balance
- Asbestos

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

LAB USE ONLY	REMARKS
☒ RUSH Same Day 24 hr 48 hr 72 hr	
☐ Rush Charges Authorized	
☐ Special Report Limits or TRRP Report	

Analysis Request of Chain of Custody Record

**Tetra Tech, Inc.**901 West Wall St, Ste 100
Midland Texas 79701
Tel (432) 682-4559
Fax (432) 682-394

Page 4 of 4

2/18/2022

Client Name		EOG Resources		Site Manager		Brittany Long	
Project Name		Medano VA State Resources					
Project Location (county, state)		Eddy County, NM		Project #: 212c-mid-02264			
Invoice to		EOG Resources Attn James Kennedy					
Receiving Laboratory		Xenco (Midland, TX)		Sampler Signature		Adrian Garcia	
Comments							

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
									YEAR		
	BH 31 (0-6")	2/14/2022	800	X						1 N	X
	BH 32 (0-6")	2/14/2022	830	X						1 N	X
	SW 1	2/14/2022	900	X						1 N	X
	SW 2	2/14/2022	930	X						1 N	X
	SW 3	2/14/2022	1000	X						1 N	X
	SW 4	2/14/2022	1030	X						1 N	X
	SW 5	2/14/2022	1100	X						1 N	X
	SW 6	2/14/2022	1130	X						1 N	X
	SW 7	2/14/22	1130	X						1 N	X

LAB USE ONLY	REMARKS
2/15/22 1257	Received by [Signature] Date 2/15/22 Time 1300
2/15/22 1257	Received by [Signature] Date 2/15/22 Time 1300

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

LAB USE ONLY	REMARKS
2/15/22	Sample Temperature 11/2

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 300 0	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
Asbestos	

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-11287-1
SDG Number: Eddy County, NM

Login Number: 11287

List Number: 1

Creator: Rodriguez, Leticia

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	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 28, 2022

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MEDARO VA STATE 17 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/25/22 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/25/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	MEDARO VA STATE 17 RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02664	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 3 (H220756-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2022	ND	1.92	95.9	2.00	6.29	
Toluene*	<0.050	0.050	02/28/2022	ND	1.92	96.0	2.00	6.12	
Ethylbenzene*	<0.050	0.050	02/28/2022	ND	1.85	92.7	2.00	5.64	
Total Xylenes*	<0.150	0.150	02/28/2022	ND	5.74	95.7	6.00	4.43	
Total BTEX	<0.300	0.300	02/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	02/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2022	ND	188	94.1	200	13.9	
DRO >C10-C28*	<10.0	10.0	02/28/2022	ND	164	82.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/28/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/25/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	MEDARO VA STATE 17 RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02664	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 11 (H220756-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2022	ND	1.92	95.9	2.00	6.29		
Toluene*	<0.050	0.050	02/28/2022	ND	1.92	96.0	2.00	6.12		
Ethylbenzene*	<0.050	0.050	02/28/2022	ND	1.85	92.7	2.00	5.64		
Total Xylenes*	<0.150	0.150	02/28/2022	ND	5.74	95.7	6.00	4.43		
Total BTEX	<0.300	0.300	02/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2022	ND	188	94.1	200	13.9	
DRO >C10-C28*	<10.0	10.0	02/28/2022	ND	164	82.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/28/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/25/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	MEDARO VA STATE 17 RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02664	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 12 (H220756-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2022	ND	1.92	95.9	2.00	6.29		
Toluene*	<0.050	0.050	02/28/2022	ND	1.92	96.0	2.00	6.12		
Ethylbenzene*	<0.050	0.050	02/28/2022	ND	1.85	92.7	2.00	5.64		
Total Xylenes*	<0.150	0.150	02/28/2022	ND	5.74	95.7	6.00	4.43		
Total BTX	<0.300	0.300	02/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	02/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2022	ND	188	94.1	200	13.9	
DRO >C10-C28*	<10.0	10.0	02/28/2022	ND	164	82.1	200	3.76	
EXT DRO >C28-C36	<10.0	10.0	02/28/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Analysis Request or Chain of Custody Record



Tetra Tech, Inc.

801 W. Wall Street, Ste 100
Madison, TN 37101
Tel (432) 652-4559
Fax (432) 652-3946Page 1 of 1

Client Name:

Project Name:

Site Manager:

Project Location:

(county, state)

Invoice to:

Project #:

Receiving Laboratory:

Comments:

Sampler Signature:

James Kennedy

Todd Williams

Cardinal Lab.

212-MD-02664

Cardinal Lab.

Cardinal Lab.

LAB #

LAB USE ONLY

SAMPLE IDENTIFICATION

SAMPLING

YEAR: 2022

DATE

TIME

MATRIX

WATER

SOIL

HCL

HNO₃

ICE

PRESERVATIVE METHOD

CONTAINERS

FILTERED (Y/N)

BTEX 8021B

BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

Hold

Hold

Hold

Hold

Hold

Hold

Hold

Hold

LAB USE ONLY

REMARKS:

Sample Temperature

17.6°C

e-0.5°C

17.1°C #13

RUSH: Same Day (24 hr) 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Special Report Limits or TRRP Report

Special Report Limits or TRRP Report

Special Report Limits or TRRP Report

Special Report Limits or TRRP Report

Special Report Limits or TRRP Report

Special Report Limits or TRRP Report

Special Report Limits or TRRP Report

Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED ☐ INDEX UPS Tracking #



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 04, 2022

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MEDANO VA STATE 17 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/03/22 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/04/2022	Sampling Type:	Soil
Project Name:	MEDANO VA STATE 17 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02664	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BH - 3 (1.0') (H220838-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	209	104	200	0.487	
DRO >C10-C28*	36.4	10.0	03/04/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	23.4	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.6 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 90144

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 90144
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	None	3/16/2022