SITE INFORMATION

Report Type: Closure Report (2RP-3043)

General Site Information:						
Site:	**Medano VA State #17**					
Company:	**EOG Resources**					
Section, Township and Range	**Unit D**	**Sec. 16**	**T 23S**	**R 31E**		
County:	**Eddy County, NM**					
GPS:	**32.31020**			**-103.78974**		
Surface Owner:	**State of New Mexico**					

Release Data:	
Date Released:	4/16/2015 (discovery)
Type Release:	Oil and Produced Water
Source of Contamination:	Illegal dumping
Fluid Released:	Unknown
Fluids Recovered:	0 bbls. of Oil/Produced Water

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

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

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

TETRA TECH

April 22, 2021

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

Re: Closure Report
EOG Resources
Medano VA State #17
Unit D, Section 16, Township 23 South, Range 31 East
Eddy County, New Mexico
2RP-3043

Mr. Billings:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release at the EOG Medano VA State #17 (API No. 30-015-27325). The release footprint is located in the Public Land Survey System (PLSS) Unit D, Section 16, Township 23 South, Range 31 East, Eddy County, New Mexico (Site). The Site coordinates are 32.31020º, -103.78974º. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the release was discovered on April 16, 2015 as a result of an illegal dump when a truck driver deposited unknown amounts of oil and produced water without approval of EOG onto the northwest corner of the pad and it ran into the pasture. The release impacted an area of 5 feet (ft.) by 75 ft. No free fluids were recovered. The initial C-141 report was submitted on May 14, 2015 to the New Mexico Oil Conservation District (NMOCD). The release was subsequently assigned the Remediation Permit (RP) number 2RP-3043. The C-141 forms are included in Appendix A.

Site Characterization

A site characterization was performed for the site, and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances, and the site is in a low karst potential area. The nearest well is listed in the USGS National Water Information Database website in Section 17, approximately 1 mile southwest of the site, and has a reported depth to groundwater of 128.64 feet (ft.) below ground surface (bgs.), the well was last sampled in 2013. In addition, according to the New Mexico Office of the State Engineer, there are no water wells within 800 meters (½ miles) radius. However, there are nine (9) water wells located within 3,000 meters (approximately 2 miles) of the Site. The average depth to groundwater is 183 ft. bgs. Site characterization data is included in Appendix B.

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

TETRA TECH

Regulatory

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

Soil Assessment and Analytical Results

On March 25, 2021, Tetra Tech personnel were on site to evaluate and sample the release area. The formerly impacted area was identified from the description in the C-141 and the aerial imagery. Soils were field screened for salinity using an Extech EC400 ExStik to determine sampling intervals. A total of two (2) auger holes (AH-1 and AH-2) were advanced to a total depth from surface to 2 ft. bgs. In addition, four (4) horizontal samples (H-1 through H-4) were collected at a depth from top to 0.5 ft. bgs to delineate the release footprint to the north, west, east, and south. A total of eight (8) samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3. Photographic documentation is included.

Referring to Table 1, all the samples analyzed were below the Site RRAL for chloride (600 mg/kg), TPH (100 mg/kg), BTEX (50 m/kg) and benzene (10 mg/kg).

Conclusion

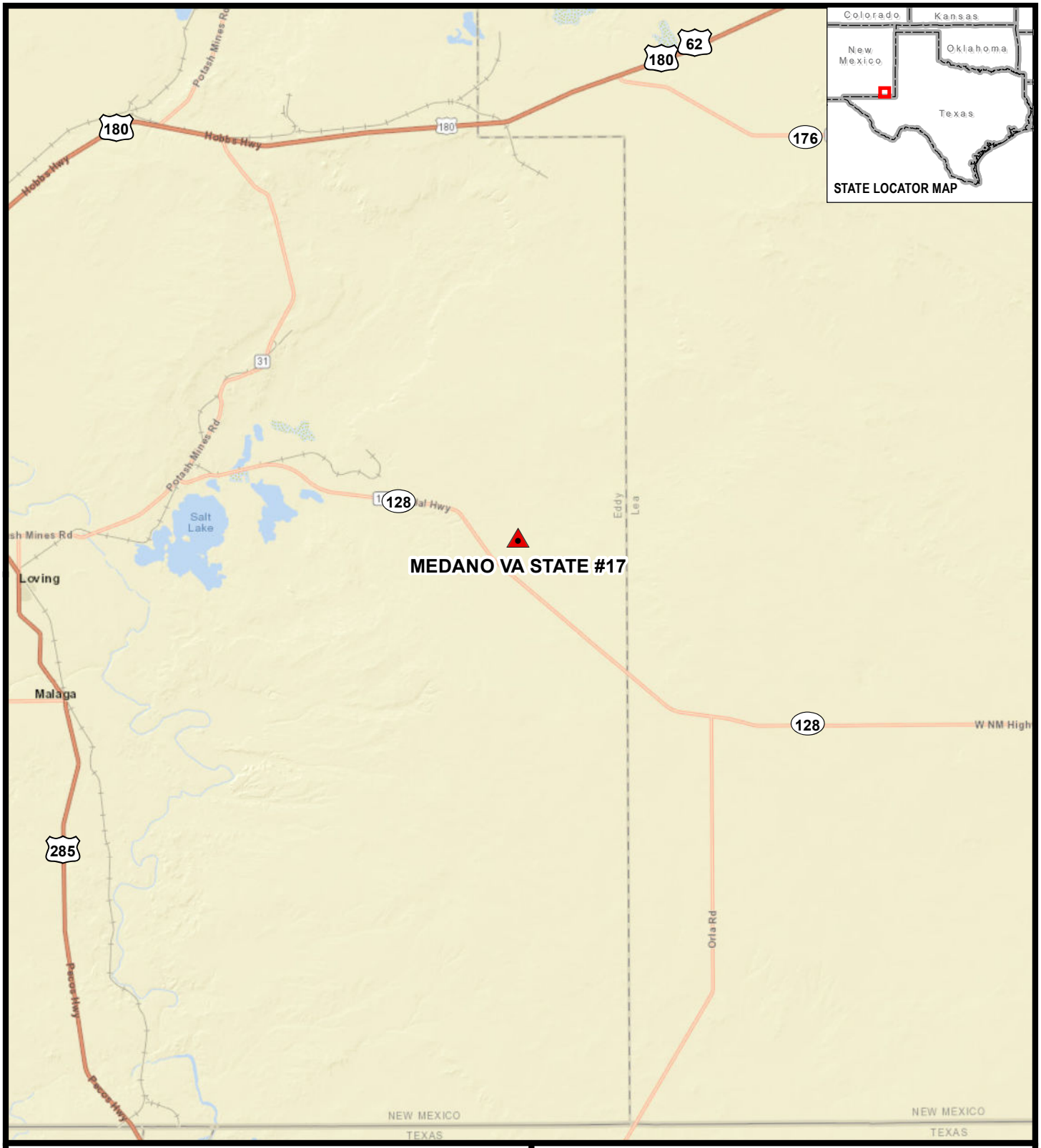
Based on the laboratory results and site assessment activities performed, EOG requests closure of this spill issue. The final C-141 initial reports are enclosed in Appendix A. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432)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

Respectfully submitted,
TETRA TECH

Paula Tocora Alonso

Paula Tocora Alonso
Environmental Engineer I
Tetra Tech, Inc

Figures



SITE LOCATION

N
W
E
S

0 2.5 5 Miles

Approximate Scale in Miles

Source: ESRI Basemap - Streets, 2021.

OVERVIEW MAP
MEDANO VA STATE #17
Property Located at coordinates 32.31020°, -103.78974°
EDDY COUNTY, NEW MEXICO

eog resources

Project #:
212C-MD-02419

FIGURE
1

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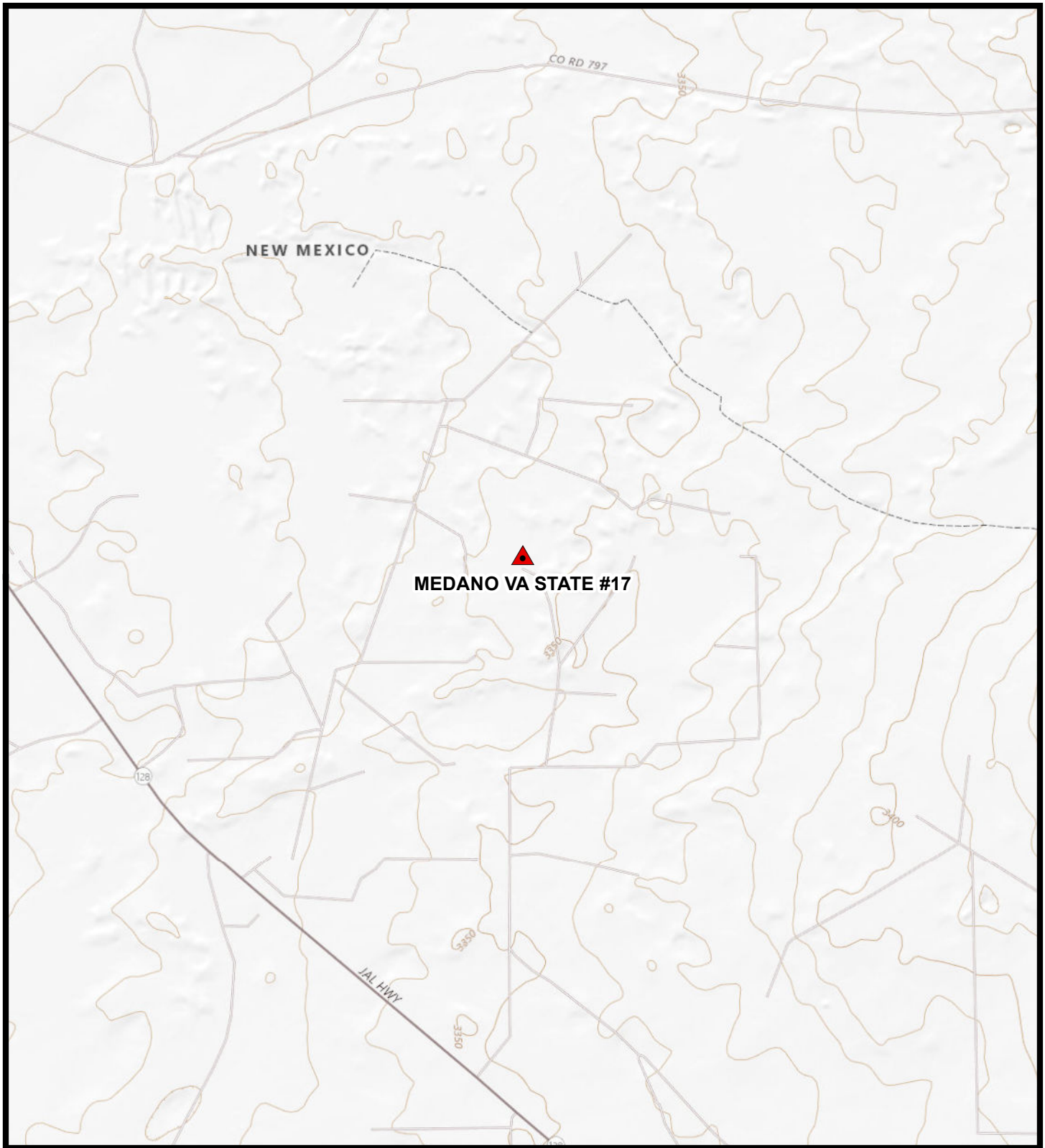

SITE LOCATION

N
W
E
S

0 1,000 2,000 Feet

Approximate Scale in Feet

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

TOPOGRAPHIC MAP
MEDANO VA STATE #17
Property Located at coordinates 32.31020°, -103.78974°
EDDY COUNTY, NEW MEXICO

eog resources

Project #: 212C-MD-02419

FIGURE 2

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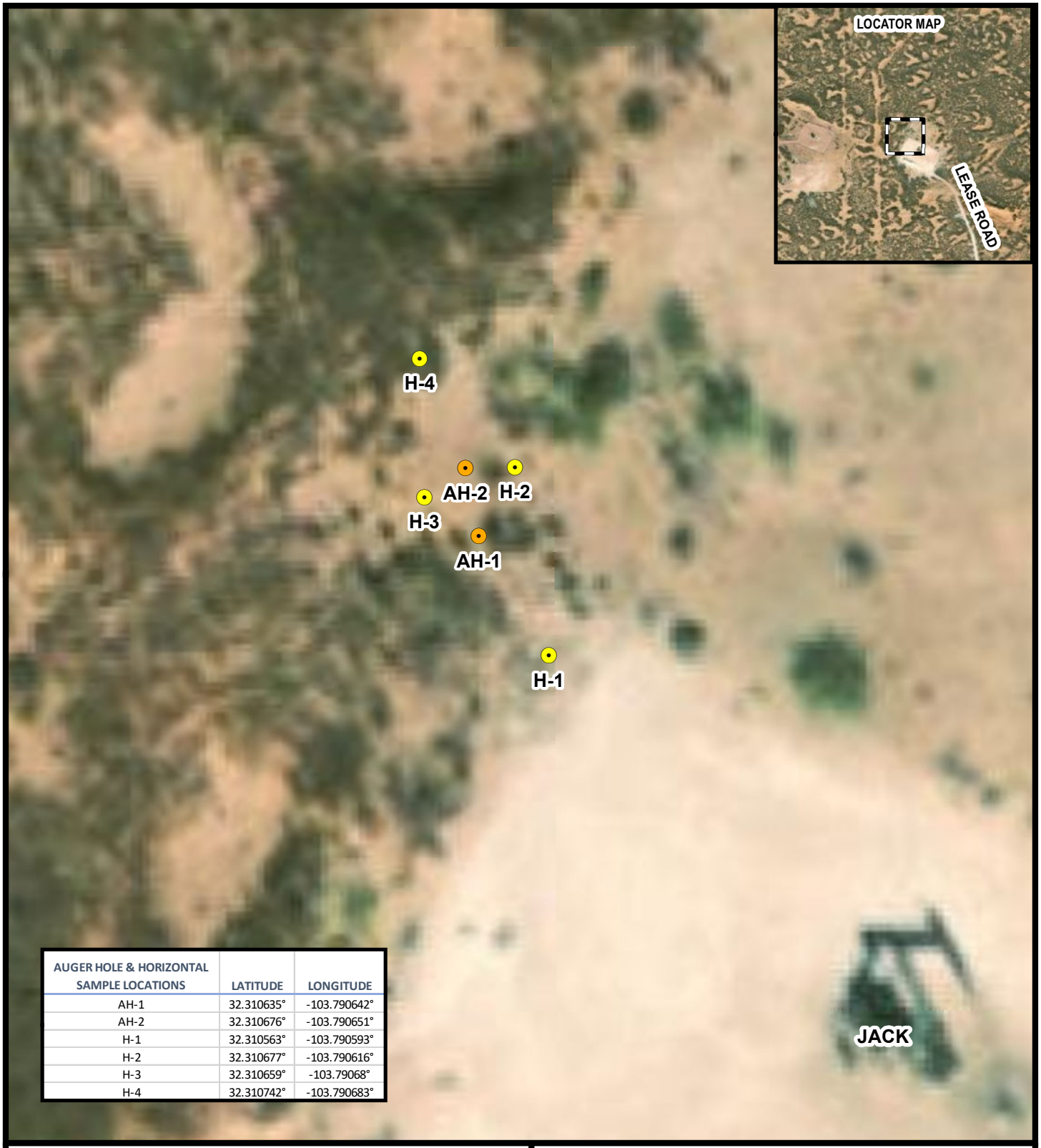


AUGER HOLE & HORIZONTAL SAMPLE LOCATIONS	LATITUDE	LONGITUDE
AH-1	32.310635°	-103.790642°
AH-2	32.310676°	-103.790651°
H-1	32.310563°	-103.790593°
H-2	32.310677°	-103.790616°
H-3	32.310659°	-103.79068°
H-4	32.310742°	-103.790683°

AUGER HOLE SAMPLE LOCATION

HORIZONTAL SAMPLE LOCATION

N
W
E
S

0 15 30 Feet

Approximate Scale in Feet

Source: ESRI Basemap - Imagery, 2020.

RELEASE ASSESSMENT MAP AND BORING LOCATIONS
MEDANO VA STATE #17
Property Located at coordinates 32.31020°, -103.78974°
EDDY COUNTY, NEW MEXICO

eog resources

Project #:
212C-MD-02419

FIGURE
3

C:\GIS\EOG Resources\212C-MD-02419_MedanoVAState17\212C-MD-02419_MEDANO_VA_STATE17_FIG3.mxd 4/22/2021 joel.peters

Tables

Table 1
EOG
Medano VA State #17
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
AH-1	4/14/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	10.6
	"	1-1.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.15
	"	2-2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	0.00465	0.0108	0.0155	11.7
	"	3-3.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	12.5
	"	4-4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	0.0245	0.0245	14.0
AH-2	4/14/2021	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.87
	"	1-1.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	6.89
	"	2-2.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.2
Horizontal-1	4/14/2021	0-0.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.30
Horizontal-2	4/14/2021	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	0.0289	0.00229	0.0541	0.110	0.195	11.4
Horizontal-3	4/14/2021	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	0.0357	0.0128	0.0566	0.0991	0.204	9.06
Horizontal-4	4/14/2021	0-0.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.97

(-) Not Analyzed

Exceeded RRALs

Photos

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

View of Release Area – View Southwest

View of Release Area – View South

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

TETRA TECH

View of Remediation Activities – View Southeast

View of Remediation Activities– View West

Appendix A

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 9 2015
RECEIVED

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1516138730

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Contact
Yates Petroleum Corporation 25575	Robert Asher
Address	Telephone No.
104 S. 4th Street	575-748-1471
Facility Name	Facility Type
Medano VA State #17	Well Pad

Surface Owner	Mineral Owner	API No.
State	State	30-015-27325

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	16	23S	31E	550	North	300	West	Eddy

Latitude 32.31020 Longitude 103.78974

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Crude Oil & Produced Water	Unknown	0 B/O & 0 B/PW
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Oil Hauler or Vac Truck	Unknown date or time	4/16/2015; AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher/NMOCD II	
By Whom? Robert Asher/Yates Petroleum Corporation	Date and Hour 4/17/2015; AM (Email) ✓ 8:37am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A truck driver dumped unknown amounts of oil and produced water onto the northwest corner of the pad and it ran into the pasture..

Describe Area Affected and Cleanup Action Taken.*
An approximate area of 5' x 75'. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted to the NMOCD. **Depth to Ground Water: >100' (approximately 100', per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.**

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

Signature: Robert Asher

Printed Name: Robert Asher

Title: NM Environmental Regulatory Supervisor

E-mail Address: boba@yatespetroleum.com

Date: May 14, 2015 Phone: 575-748-4217

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: Signed By Mike Bratcher

Approval Date: 6/10/15 Expiration Date: N/A

Conditions of Approval: Attached ☐

Remediation per O.C.D. Rules & Guidelines
SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 7/1/15

2RP-3043

* Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: James F. Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: James F. Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: OCD Date: 10/14/2021

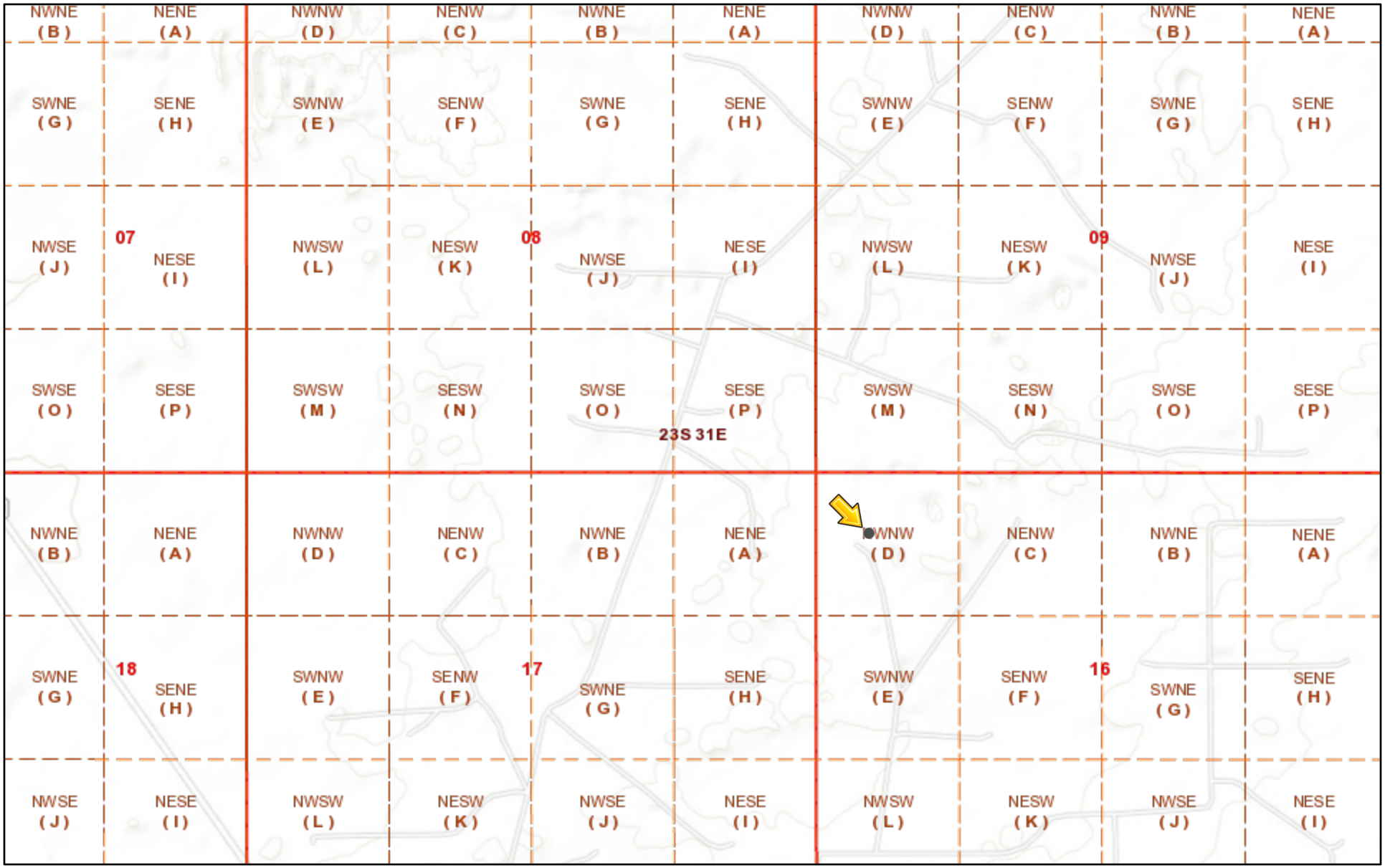
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by: Ashley Maxwell Date: 12/22/2022

Printed Name: Ashley Maxwell Title: Environmental Scientist

Appendix B

2RP-3043



3/23/2021, 9:04:45 PM

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Override 1

OCD District Offices

PLSS First Division

PLSS Second Division

PLSS Townships

OSE Streams

PLJV Probable Playas

OSE Water-bodies

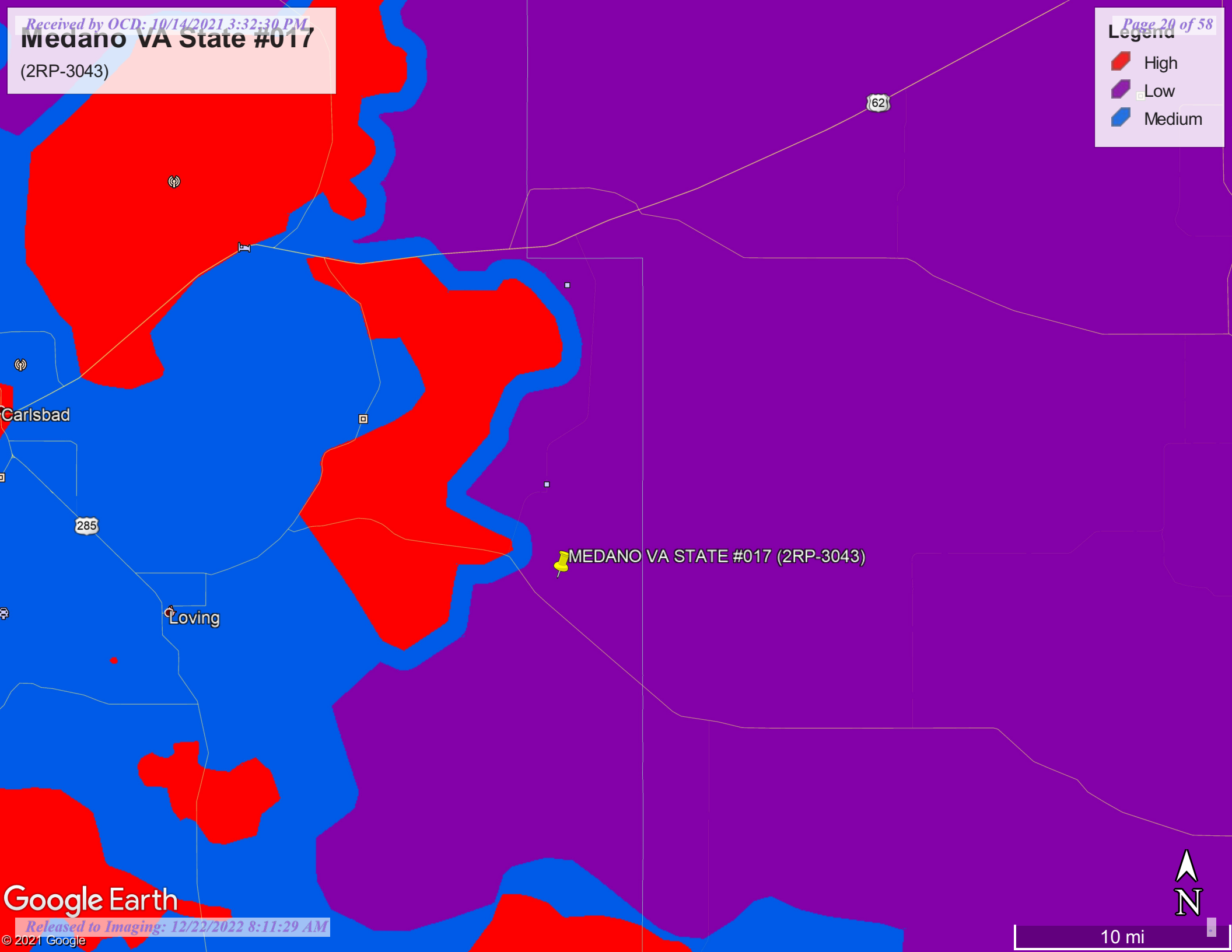
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin,

New Mexico Oil Conservation Division

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

Medano VA State #017

(2RP-3043)



New Mexico NFHL Data

March 23, 2021

1:72,224

0 0.5 1 2 mi

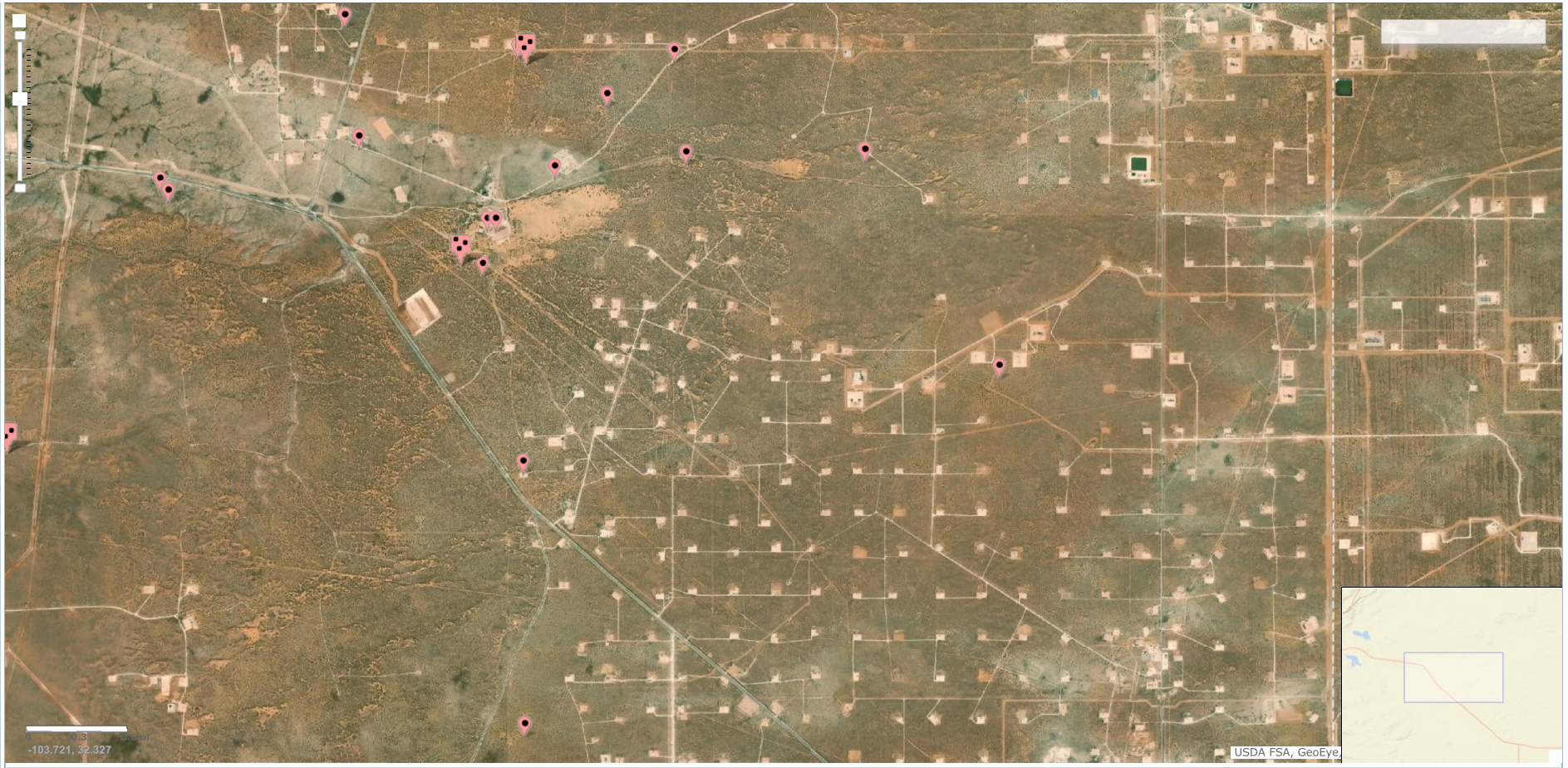
0 1 2 4 km

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

USGS science for a changing world

National Water Information System: Mapper

Help Info



Site Information

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02774		CUB	ED	3	1	3	04	23S	31E	613857	3577745*	2283	1660		
C 03351		C	ED	4	1	4	04	23S	31E	614917	3577861	2592	320	168	152
C 02492		CUB	ED	4	4	4	06	23S	31E	612056	3577320*	2641	135	85	50
C 02865		CUB	ED	4	4	4	06	23S	31E	612056	3577320*	2641	174		
C 03140		CUB	ED	4	2	4	04	23S	31E	615266	3577758*	2654	684		
C 02492 POD2		C	ED	3	2	2	07	23S	31E	611767	3576996	2654	400	125	275
C 02954 EXPL		CUB	ED	3	1	4	20	23S	31E	613114	3572906*	2684	905		
C 02664		CUB	ED	3	3	2	05	23S	31E	613049	3578138*	2817	4291	354	3937
C 02773		CUB	ED	4	1	3	03	23S	31E	615668	3577762*	2880	880		

Average Depth to Water: **183 feet**
Minimum Depth: **85 feet**
Maximum Depth: **354 feet**

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 613933.51 **Northing (Y):** 3575462.5 **Radius:** 3000

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

3/23/21 8:36 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Click to hideNews Bulletins

- Explore the **NEW** USGS National Water Dashboard to access real-time data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 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 of measurement	? Water-level approval status
1959-02-04		D	62610		3215.16	NGVD29	3	Z			A
1959-02-04		D	62611		3216.80	NAVD88	3	Z			A
1959-02-04		D	72019	110.84			3	Z			A
1987-10-15		D	62610		3214.80	NGVD29	1	Z			A
1987-10-15		D	62611		3216.44	NAVD88	1	Z			A
1987-10-15		D	72019	111.20			1	Z			A
1992-11-04		D	62610		3216.32	NGVD29	1	S			A
1992-11-04		D	62611		3217.96	NAVD88	1	S			A
1992-11-04		D	72019	109.68			1	S			A
2013-01-16	23:30 UTC	m	62610		3197.36	NGVD29	3	S	USGS	S	A
2013-01-16	23:30 UTC	m	62611		3199.00	NAVD88	3	S	USGS	S	A
2013-01-16	23:30 UTC	m	72019	128.64			3	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	Above
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.

Appendix C

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-523-1
Laboratory Sample Delivery Group: Eddy County NM
Client Project/Site: Medano VA #17 212C-MD-02419

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

Attn: Clair Gonzales

JKramer

Authorized for release by:
4/20/2021 6:44:13 PM

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

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

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

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Laboratory Job ID: 890-523-1
SDG: Eddy County NM

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419 SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc. Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419 SDG: Eddy County NM

Job ID: 890-523-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-523-1

Comments
No additional comments.

Receipt
The samples were received on 4/14/2021 3:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6º C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: AH-1 (0-1') (890-523-1), AH-1 (1-1.5') (890-523-2), AH-1 (2-2.5) (890-523-3), AH-1 (3-3.5) (890-523-4), AH-1 (4-4.5) (890-523-5), AH-2 (0-1') (890-523-6), AH-2 (1-1.5') (890-523-7), AH-2 (2-2.5') (890-523-8), H-1 (0-6') (890-523-9), H-2 (0-6') (890-523-10), H-3 (0-6') (890-523-11) and H-4 (0-6') (890-523-12).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1825 and analytical batch 880-1833 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1975 and analytical batch 880-1974 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: AH-1 (2-2.5) (890-523-3). The sample(s) shows evidence of matrix interference.

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

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

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

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

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

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

Lab Sample ID: 890-523-1
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 06:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 06:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 06:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/21 14:30	04/16/21 06:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 06:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/21 14:30	04/16/21 06:17	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/15/21 14:30	04/16/21 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*04/15/21 14:30*	*04/16/21 06:17*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/15/21 14:30*	*04/16/21 06:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 17:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 17:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 17:30	1
Total TPH	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*04/15/21 08:24*	*04/15/21 17:30*	*1*
o-Terphenyl	*79*		*70 - 130*	*04/15/21 08:24*	*04/15/21 17:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		5.01		mg/Kg			04/17/21 01:42	1

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

Lab Sample ID: 890-523-2
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 06:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 06:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 06:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/15/21 14:30	04/16/21 06:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 06:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/15/21 14:30	04/16/21 06:37	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/15/21 14:30	04/16/21 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/15/21 14:30*	*04/16/21 06:37*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*04/15/21 14:30*	*04/16/21 06:37*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419 SDG: Eddy County NM

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

Lab Sample ID: 890-523-2
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 17:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 17:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 17:51	1
Total TPH	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/15/21 08:24*	*04/15/21 17:51*	*1*
o-Terphenyl	*82*		*70 - 130*	*04/15/21 08:24*	*04/15/21 17:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.15**		5.04		mg/Kg			04/17/21 01:57	1

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

Lab Sample ID: 890-523-3
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/19/21 11:01	04/19/21 21:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/19/21 11:01	04/19/21 21:11	1
Ethylbenzene	**0.00465**		0.00198		mg/Kg		04/19/21 11:01	04/19/21 21:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/19/21 11:01	04/19/21 21:11	1
o-Xylene	**0.0108**		0.00198		mg/Kg		04/19/21 11:01	04/19/21 21:11	1
Xylenes, Total	**0.0108**		0.00396		mg/Kg		04/19/21 11:01	04/19/21 21:11	1
Total BTEX	**0.0155**		0.00396		mg/Kg		04/19/21 11:01	04/19/21 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/19/21 11:01*	*04/19/21 21:11*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/19/21 11:01*	*04/19/21 21:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 18:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 18:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 18:13	1
Total TPH	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*04/15/21 08:24*	*04/15/21 18:13*	*1*
o-Terphenyl	*70*		*70 - 130*	*04/15/21 08:24*	*04/15/21 18:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		5.05		mg/Kg			04/17/21 02:03	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

Client Sample ID: AH-1 (3-3.5)

Lab Sample ID: 890-523-4
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 3 - 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/15/21 14:30	04/16/21 09:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/15/21 14:30	04/16/21 09:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/15/21 14:30	04/16/21 09:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/15/21 14:30	04/16/21 09:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/15/21 14:30	04/16/21 09:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/15/21 14:30	04/16/21 09:54	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/15/21 14:30	04/16/21 09:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/15/21 14:30*	*04/16/21 09:54*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/15/21 14:30*	*04/16/21 09:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 18:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 18:35	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 18:35	1
Total TPH	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*04/15/21 08:24*	*04/15/21 18:35*	*1*
o-Terphenyl	*74*		*70 - 130*	*04/15/21 08:24*	*04/15/21 18:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.5**		5.04		mg/Kg			04/17/21 02:08	1

Client Sample ID: AH-1 (4-4.5)

Lab Sample ID: 890-523-5
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 4 - 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/15/21 14:30	04/16/21 10:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/15/21 14:30	04/16/21 10:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/15/21 14:30	04/16/21 10:15	1
m-Xylene & p-Xylene	**0.00982**		0.00402		mg/Kg		04/15/21 14:30	04/16/21 10:15	1
o-Xylene	**0.0147**		0.00201		mg/Kg		04/15/21 14:30	04/16/21 10:15	1
Xylenes, Total	**0.0245**		0.00402		mg/Kg		04/15/21 14:30	04/16/21 10:15	1
Total BTEX	**0.0245**		0.00402		mg/Kg		04/15/21 14:30	04/16/21 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*193*	*S1+*	*70 - 130*	*04/15/21 14:30*	*04/16/21 10:15*	*1*
1,4-Difluorobenzene (Surr)	*5*	*S1-*	*70 - 130*	*04/15/21 14:30*	*04/16/21 10:15*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419 SDG: Eddy County NM

Client Sample ID: AH-1 (4-4.5)

Lab Sample ID: 890-523-5
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 4 - 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 18:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 18:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 18:56	1
Total TPH	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*04/15/21 08:24*	*04/15/21 18:56*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*04/15/21 08:24*	*04/15/21 18:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.0**		5.03		mg/Kg			04/17/21 02:13	1

Client Sample ID: AH-2 (0-1')

Lab Sample ID: 890-523-6
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 10:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 10:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 10:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/21 14:30	04/16/21 10:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/21 14:30	04/16/21 10:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/21 14:30	04/16/21 10:35	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/15/21 14:30	04/16/21 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*04/15/21 14:30*	*04/16/21 10:35*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/15/21 14:30*	*04/16/21 10:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 19:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 19:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 19:18	1
Total TPH	<49.9	U	49.9		mg/Kg		04/15/21 08:24	04/15/21 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*04/15/21 08:24*	*04/15/21 19:18*	*1*
o-Terphenyl	*73*		*70 - 130*	*04/15/21 08:24*	*04/15/21 19:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.87**		4.98		mg/Kg			04/17/21 02:28	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

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

Lab Sample ID: 890-523-7
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/15/21 14:30	04/16/21 10:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/15/21 14:30	04/16/21 10:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/15/21 14:30	04/16/21 10:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/15/21 14:30	04/16/21 10:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/15/21 14:30	04/16/21 10:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/15/21 14:30	04/16/21 10:56	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/15/21 14:30	04/16/21 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*04/15/21 14:30*	*04/16/21 10:56*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/15/21 14:30*	*04/16/21 10:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 19:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 19:39	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 19:39	1
Total TPH	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*04/15/21 08:24*	*04/15/21 19:39*	*1*
o-Terphenyl	*80*		*70 - 130*	*04/15/21 08:24*	*04/15/21 19:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.89**		4.96		mg/Kg			04/17/21 02:33	1

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

Lab Sample ID: 890-523-8
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/15/21 14:30	04/16/21 11:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/15/21 14:30	04/16/21 11:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/15/21 14:30	04/16/21 11:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/15/21 14:30	04/16/21 11:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/15/21 14:30	04/16/21 11:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/15/21 14:30	04/16/21 11:16	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/15/21 14:30	04/16/21 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/15/21 14:30*	*04/16/21 11:16*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/15/21 14:30*	*04/16/21 11:16*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

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

Lab Sample ID: 890-523-8
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 20:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 20:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 20:01	1
Total TPH	<49.8	U	49.8		mg/Kg		04/15/21 08:24	04/15/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*04/15/21 08:24*	*04/15/21 20:01*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*04/15/21 08:24*	*04/15/21 20:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.2**		4.96		mg/Kg			04/17/21 02:38	1

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

Lab Sample ID: 890-523-9
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/15/21 14:30	04/16/21 11:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/21 14:30	04/16/21 11:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/21 14:30	04/16/21 11:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/21 14:30	04/16/21 11:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/21 14:30	04/16/21 11:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/21 14:30	04/16/21 11:36	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/15/21 14:30	04/16/21 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/15/21 14:30*	*04/16/21 11:36*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/15/21 14:30*	*04/16/21 11:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/15/21 10:01	04/15/21 18:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/15/21 10:01	04/15/21 18:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/15/21 10:01	04/15/21 18:35	1
Total TPH	<49.8	U	49.8		mg/Kg		04/15/21 10:01	04/15/21 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*04/15/21 10:01*	*04/15/21 18:35*	*1*
o-Terphenyl	*82*		*70 - 130*	*04/15/21 10:01*	*04/15/21 18:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.30**		4.97		mg/Kg			04/17/21 02:43	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

Client Sample ID: H-2 (0-6')

Lab Sample ID: 890-523-10
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0289		0.00200		mg/Kg		04/15/21 14:30	04/16/21 11:57	1
Toluene	0.00229		0.00200		mg/Kg		04/15/21 14:30	04/16/21 11:57	1
Ethylbenzene	0.0541		0.00200		mg/Kg		04/15/21 14:30	04/16/21 11:57	1
m-Xylene & p-Xylene	0.0799		0.00399		mg/Kg		04/15/21 14:30	04/16/21 11:57	1
o-Xylene	0.0303		0.00200		mg/Kg		04/15/21 14:30	04/16/21 11:57	1
Xylenes, Total	0.110		0.00399		mg/Kg		04/15/21 14:30	04/16/21 11:57	1
Total BTEX	0.195		0.00399		mg/Kg		04/15/21 14:30	04/16/21 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*767*	*S1+*	*70 - 130*	*04/15/21 14:30*	*04/16/21 11:57*	*1*
1,4-Difluorobenzene (Surr)	*654*	*S1+*	*70 - 130*	*04/15/21 14:30*	*04/16/21 11:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/15/21 10:01	04/15/21 18:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/15/21 10:01	04/15/21 18:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/15/21 10:01	04/15/21 18:56	1
Total TPH	<49.9	U	49.9		mg/Kg		04/15/21 10:01	04/15/21 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/15/21 10:01*	*04/15/21 18:56*	*1*
o-Terphenyl	*97*		*70 - 130*	*04/15/21 10:01*	*04/15/21 18:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		4.99		mg/Kg			04/17/21 02:48	1

Client Sample ID: H-3 (0-6')

Lab Sample ID: 890-523-11
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0357		0.00199		mg/Kg		04/15/21 14:30	04/16/21 12:17	1
Toluene	0.0128		0.00199		mg/Kg		04/15/21 14:30	04/16/21 12:17	1
Ethylbenzene	0.0566		0.00199		mg/Kg		04/15/21 14:30	04/16/21 12:17	1
m-Xylene & p-Xylene	0.0615		0.00398		mg/Kg		04/15/21 14:30	04/16/21 12:17	1
o-Xylene	0.0376		0.00199		mg/Kg		04/15/21 14:30	04/16/21 12:17	1
Xylenes, Total	0.0991		0.00398		mg/Kg		04/15/21 14:30	04/16/21 12:17	1
Total BTEX	0.204		0.00398		mg/Kg		04/15/21 14:30	04/16/21 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*1758*	*S1+*	*70 - 130*	*04/15/21 14:30*	*04/16/21 12:17*	*1*
1,4-Difluorobenzene (Surr)	*45*	*S1-*	*70 - 130*	*04/15/21 14:30*	*04/16/21 12:17*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

Client Sample ID: H-3 (0-6')

Lab Sample ID: 890-523-11
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/15/21 10:01	04/15/21 19:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/15/21 10:01	04/15/21 19:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/15/21 10:01	04/15/21 19:18	1
Total TPH	<49.9	U	49.9		mg/Kg		04/15/21 10:01	04/15/21 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/15/21 10:01*	*04/15/21 19:18*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/15/21 10:01*	*04/15/21 19:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.06**		5.00		mg/Kg			04/17/21 02:53	1

Client Sample ID: H-4 (0-6')

Lab Sample ID: 890-523-12
Matrix: Solid
Date Collected: 04/14/21 00:00
Date Received: 04/14/21 15:45
Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/15/21 14:30	04/16/21 12:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/21 14:30	04/16/21 12:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/21 14:30	04/16/21 12:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/21 14:30	04/16/21 12:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/21 14:30	04/16/21 12:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/21 14:30	04/16/21 12:38	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/15/21 14:30	04/16/21 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*04/15/21 14:30*	*04/16/21 12:38*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/15/21 14:30*	*04/16/21 12:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/15/21 10:01	04/15/21 19:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/15/21 10:01	04/15/21 19:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/15/21 10:01	04/15/21 19:39	1
Total TPH	<49.8	U	49.8		mg/Kg		04/15/21 10:01	04/15/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/15/21 10:01*	*04/15/21 19:39*	*1*
o-Terphenyl	*93*		*70 - 130*	*04/15/21 10:01*	*04/15/21 19:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.97**		4.98		mg/Kg			04/17/21 03:09	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
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)
890-523-1	AH-1 (0-1')	121	96
890-523-2	AH-1 (1-1.5')	110	106
890-523-3	AH-1 (2-2.5)	110	93
890-523-4	AH-1 (3-3.5)	101	107
890-523-5	AH-1 (4-4.5)	193 S1+	5 S1-
890-523-6	AH-2 (0-1')	144 S1+	102
890-523-7	AH-2 (1-1.5')	124	92
890-523-8	AH-2 (2-2.5')	109	88
890-523-9	H-1 (0-6')	112	109
890-523-10	H-2 (0-6')	767 S1+	654 S1+
890-523-11	H-3 (0-6')	1758 S1+	45 S1-
890-523-12	H-4 (0-6')	135 S1+	99
LCS 880-1825/1-A	Lab Control Sample	103	105
LCS 880-1975/1-A	Lab Control Sample	98	106
LCSD 880-1825/2-A	Lab Control Sample Dup	100	106
LCSD 880-1975/2-A	Lab Control Sample Dup	98	106
MB 880-1817/5-A	Method Blank	98	101
MB 880-1825/5-A	Method Blank	99	102
MB 880-1975/5-A	Method Blank	97	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
890-523-1	AH-1 (0-1')	87	79
890-523-2	AH-1 (1-1.5')	92	82
890-523-3	AH-1 (2-2.5)	79	70
890-523-4	AH-1 (3-3.5)	83	74
890-523-5	AH-1 (4-4.5)	80	69 S1-
890-523-6	AH-2 (0-1')	81	73
890-523-7	AH-2 (1-1.5')	94	80
890-523-8	AH-2 (2-2.5')	73	63 S1-
890-523-9	H-1 (0-6')	93	82
890-523-10	H-2 (0-6')	107	97
890-523-11	H-3 (0-6')	99	91
890-523-12	H-4 (0-6')	101	93
LCS 880-1813/2-A	Lab Control Sample	98	87
LCS 880-1816/2-A	Lab Control Sample	108	93
LCSD 880-1813/3-A	Lab Control Sample Dup	96	85
LCSD 880-1816/3-A	Lab Control Sample Dup	103	88
MB 880-1813/1-A	Method Blank	97	94
MB 880-1816/1-A	Method Blank	101	99

Surrogate Legend

1CO = 1-Chlorooctane

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1817/5-A
Matrix: Solid
Analysis Batch: 1833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/21 10:02	04/15/21 16:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/21 10:02	04/15/21 16:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/21 10:02	04/15/21 16:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/15/21 10:02	04/15/21 16:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/21 10:02	04/15/21 16:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/15/21 10:02	04/15/21 16:05	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/15/21 10:02	04/15/21 16:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/15/21 10:02*	*04/15/21 16:05*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/15/21 10:02*	*04/15/21 16:05*	*1*

Lab Sample ID: MB 880-1825/5-A
Matrix: Solid
Analysis Batch: 1833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1825

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/21 11:48	04/16/21 04:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/21 11:48	04/16/21 04:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/21 11:48	04/16/21 04:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/15/21 11:48	04/16/21 04:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/21 11:48	04/16/21 04:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/15/21 11:48	04/16/21 04:06	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/15/21 11:48	04/16/21 04:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/15/21 11:48*	*04/16/21 04:06*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/15/21 11:48*	*04/16/21 04:06*	*1*

Lab Sample ID: LCS 880-1825/1-A
Matrix: Solid
Analysis Batch: 1833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1825

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08840		mg/Kg		88	70 - 130
Toluene	0.100	0.09573		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09918		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09991		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-1825/2-A
Matrix: Solid
Analysis Batch: 1833

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1825

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08970		mg/Kg		90	70 - 130	1	35
Toluene			0.100	0.09431		mg/Kg		94	70 - 130	1	35
Ethylbenzene			0.100	0.09733		mg/Kg		97	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1978		mg/Kg		99	70 - 130	2	35
o-Xylene			0.100	0.09787		mg/Kg		98	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 880-1975/5-A
Matrix: Solid
Analysis Batch: 1974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/19/21 11:01	04/19/21 13:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/19/21 11:01	04/19/21 13:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/19/21 11:01	04/19/21 13:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/19/21 11:01	04/19/21 13:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/19/21 11:01	04/19/21 13:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/19/21 11:01	04/19/21 13:55	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/19/21 11:01	04/19/21 13:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/19/21 11:01*	*04/19/21 13:55*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/19/21 11:01*	*04/19/21 13:55*	*1*

Lab Sample ID: LCS 880-1975/1-A
Matrix: Solid
Analysis Batch: 1974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1975

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08818		mg/Kg		88	70 - 130		
Toluene			0.100	0.09256		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.09748		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.1951		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09469		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-1975/2-A
Matrix: Solid
Analysis Batch: 1974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1975

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09326		mg/Kg		93	70 - 130	6	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-1975/2-A
Matrix: Solid
Analysis Batch: 1974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1975

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.09526		mg/Kg		95	70 - 130	3	35
Ethylbenzene			0.100	0.1020		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2053		mg/Kg		103	70 - 130	5	35
o-Xylene			0.100	0.09991		mg/Kg		100	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-1813/1-A
Matrix: Solid
Analysis Batch: 1820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1813

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 11:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 11:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 11:52	1
Total TPH	<50.0	U	50.0		mg/Kg		04/15/21 08:24	04/15/21 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/15/21 08:24*	*04/15/21 11:52*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/15/21 08:24*	*04/15/21 11:52*	*1*

Lab Sample ID: LCS 880-1813/2-A
Matrix: Solid
Analysis Batch: 1820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1813

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1201		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)			1000	968.0		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Lab Sample ID: LCSD 880-1813/3-A
Matrix: Solid
Analysis Batch: 1820

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1813

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1074		mg/Kg		107	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	942.8		mg/Kg		94	70 - 130	3	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: MB 880-1816/1-A
Matrix: Solid
Analysis Batch: 1818

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1816

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/15/21 10:01	04/15/21 11:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/15/21 10:01	04/15/21 11:52	1
OIl Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/15/21 10:01	04/15/21 11:52	1
Total TPH	<50.0	U	50.0		mg/Kg		04/15/21 10:01	04/15/21 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	04/15/21 10:01	04/15/21 11:52	1
o-Terphenyl	99		70 - 130	04/15/21 10:01	04/15/21 11:52	1

Lab Sample ID: LCS 880-1816/2-A
Matrix: Solid
Analysis Batch: 1818

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1241		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: LCSD 880-1816/3-A
Matrix: Solid
Analysis Batch: 1818

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1816

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1101		mg/Kg		110	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1010		mg/Kg		101	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	88		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1849/1-A
Matrix: Solid
Analysis Batch: 1919

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/17/21 01:27	1

Lab Sample ID: LCS 880-1849/2-A
Matrix: Solid
Analysis Batch: 1919

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	253.4		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-1849/3-A
Matrix: Solid
Analysis Batch: 1919

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	251.8		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 890-523-1 MS
Matrix: Solid
Analysis Batch: 1919

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	10.6		251	257.9		mg/Kg		99	90 - 110		

Lab Sample ID: 890-523-1 MSD
Matrix: Solid
Analysis Batch: 1919

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.6		251	258.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-523-11 MS
Matrix: Solid
Analysis Batch: 1919

Client Sample ID: H-3 (0-6')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	9.06		250	252.8		mg/Kg		98	90 - 110		

Lab Sample ID: 890-523-11 MSD
Matrix: Solid
Analysis Batch: 1919

Client Sample ID: H-3 (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	9.06		250	252.5		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419 SDG: Eddy County NM

GC VOA

Prep Batch: 1817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1817/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 1825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-1	AH-1 (0-1')	Total/NA	Solid	5035	
890-523-2	AH-1 (1-1.5')	Total/NA	Solid	5035	
890-523-4	AH-1 (3-3.5)	Total/NA	Solid	5035	
890-523-5	AH-1 (4-4.5)	Total/NA	Solid	5035	
890-523-6	AH-2 (0-1')	Total/NA	Solid	5035	
890-523-7	AH-2 (1-1.5')	Total/NA	Solid	5035	
890-523-8	AH-2 (2-2.5')	Total/NA	Solid	5035	
890-523-9	H-1 (0-6')	Total/NA	Solid	5035	
890-523-10	H-2 (0-6')	Total/NA	Solid	5035	
890-523-11	H-3 (0-6')	Total/NA	Solid	5035	
890-523-12	H-4 (0-6')	Total/NA	Solid	5035	
MB 880-1825/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1825/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1825/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 1833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-1	AH-1 (0-1')	Total/NA	Solid	8021B	1825
890-523-2	AH-1 (1-1.5')	Total/NA	Solid	8021B	1825
890-523-4	AH-1 (3-3.5)	Total/NA	Solid	8021B	1825
890-523-5	AH-1 (4-4.5)	Total/NA	Solid	8021B	1825
890-523-6	AH-2 (0-1')	Total/NA	Solid	8021B	1825
890-523-7	AH-2 (1-1.5')	Total/NA	Solid	8021B	1825
890-523-8	AH-2 (2-2.5')	Total/NA	Solid	8021B	1825
890-523-9	H-1 (0-6')	Total/NA	Solid	8021B	1825
890-523-10	H-2 (0-6')	Total/NA	Solid	8021B	1825
890-523-11	H-3 (0-6')	Total/NA	Solid	8021B	1825
890-523-12	H-4 (0-6')	Total/NA	Solid	8021B	1825
MB 880-1817/5-A	Method Blank	Total/NA	Solid	8021B	1817
MB 880-1825/5-A	Method Blank	Total/NA	Solid	8021B	1825
LCS 880-1825/1-A	Lab Control Sample	Total/NA	Solid	8021B	1825
LCSD 880-1825/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1825

Analysis Batch: 1974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-3	AH-1 (2-2.5)	Total/NA	Solid	8021B	1975
MB 880-1975/5-A	Method Blank	Total/NA	Solid	8021B	1975
LCS 880-1975/1-A	Lab Control Sample	Total/NA	Solid	8021B	1975
LCSD 880-1975/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1975

Prep Batch: 1975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-3	AH-1 (2-2.5)	Total/NA	Solid	5035	
MB 880-1975/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1975/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1975/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

GC Semi VOA

Prep Batch: 1813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-1	AH-1 (0-1')	Total/NA	Solid	8015NM Prep	
890-523-2	AH-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-523-3	AH-1 (2-2.5)	Total/NA	Solid	8015NM Prep	
890-523-4	AH-1 (3-3.5)	Total/NA	Solid	8015NM Prep	
890-523-5	AH-1 (4-4.5)	Total/NA	Solid	8015NM Prep	
890-523-6	AH-2 (0-1')	Total/NA	Solid	8015NM Prep	
890-523-7	AH-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-523-8	AH-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-1813/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1813/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 1816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-9	H-1 (0-6')	Total/NA	Solid	8015NM Prep	
890-523-10	H-2 (0-6')	Total/NA	Solid	8015NM Prep	
890-523-11	H-3 (0-6')	Total/NA	Solid	8015NM Prep	
890-523-12	H-4 (0-6')	Total/NA	Solid	8015NM Prep	
MB 880-1816/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1816/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-9	H-1 (0-6')	Total/NA	Solid	8015B NM	1816
890-523-10	H-2 (0-6')	Total/NA	Solid	8015B NM	1816
890-523-11	H-3 (0-6')	Total/NA	Solid	8015B NM	1816
890-523-12	H-4 (0-6')	Total/NA	Solid	8015B NM	1816
MB 880-1816/1-A	Method Blank	Total/NA	Solid	8015B NM	1816
LCS 880-1816/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1816
LCSD 880-1816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1816

Analysis Batch: 1820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-1	AH-1 (0-1')	Total/NA	Solid	8015B NM	1813
890-523-2	AH-1 (1-1.5')	Total/NA	Solid	8015B NM	1813
890-523-3	AH-1 (2-2.5)	Total/NA	Solid	8015B NM	1813
890-523-4	AH-1 (3-3.5)	Total/NA	Solid	8015B NM	1813
890-523-5	AH-1 (4-4.5)	Total/NA	Solid	8015B NM	1813
890-523-6	AH-2 (0-1')	Total/NA	Solid	8015B NM	1813
890-523-7	AH-2 (1-1.5')	Total/NA	Solid	8015B NM	1813
890-523-8	AH-2 (2-2.5')	Total/NA	Solid	8015B NM	1813
MB 880-1813/1-A	Method Blank	Total/NA	Solid	8015B NM	1813
LCS 880-1813/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1813
LCSD 880-1813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1813

HPLC/IC

Leach Batch: 1849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-1	AH-1 (0-1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 1849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-2	AH-1 (1-1.5')	Soluble	Solid	DI Leach	
890-523-3	AH-1 (2-2.5)	Soluble	Solid	DI Leach	
890-523-4	AH-1 (3-3.5)	Soluble	Solid	DI Leach	
890-523-5	AH-1 (4-4.5)	Soluble	Solid	DI Leach	
890-523-6	AH-2 (0-1')	Soluble	Solid	DI Leach	
890-523-7	AH-2 (1-1.5')	Soluble	Solid	DI Leach	
890-523-8	AH-2 (2-2.5')	Soluble	Solid	DI Leach	
890-523-9	H-1 (0-6')	Soluble	Solid	DI Leach	
890-523-10	H-2 (0-6')	Soluble	Solid	DI Leach	
890-523-11	H-3 (0-6')	Soluble	Solid	DI Leach	
890-523-12	H-4 (0-6')	Soluble	Solid	DI Leach	
MB 880-1849/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1849/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1849/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-523-1 MS	AH-1 (0-1')	Soluble	Solid	DI Leach	
890-523-1 MSD	AH-1 (0-1')	Soluble	Solid	DI Leach	
890-523-11 MS	H-3 (0-6')	Soluble	Solid	DI Leach	
890-523-11 MSD	H-3 (0-6')	Soluble	Solid	DI Leach	

Analysis Batch: 1919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-523-1	AH-1 (0-1')	Soluble	Solid	300.0	1849
890-523-2	AH-1 (1-1.5')	Soluble	Solid	300.0	1849
890-523-3	AH-1 (2-2.5)	Soluble	Solid	300.0	1849
890-523-4	AH-1 (3-3.5)	Soluble	Solid	300.0	1849
890-523-5	AH-1 (4-4.5)	Soluble	Solid	300.0	1849
890-523-6	AH-2 (0-1')	Soluble	Solid	300.0	1849
890-523-7	AH-2 (1-1.5')	Soluble	Solid	300.0	1849
890-523-8	AH-2 (2-2.5')	Soluble	Solid	300.0	1849
890-523-9	H-1 (0-6')	Soluble	Solid	300.0	1849
890-523-10	H-2 (0-6')	Soluble	Solid	300.0	1849
890-523-11	H-3 (0-6')	Soluble	Solid	300.0	1849
890-523-12	H-4 (0-6')	Soluble	Solid	300.0	1849
MB 880-1849/1-A	Method Blank	Soluble	Solid	300.0	1849
LCS 880-1849/2-A	Lab Control Sample	Soluble	Solid	300.0	1849
LCSD 880-1849/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1849
890-523-1 MS	AH-1 (0-1')	Soluble	Solid	300.0	1849
890-523-1 MSD	AH-1 (0-1')	Soluble	Solid	300.0	1849
890-523-11 MS	H-3 (0-6')	Soluble	Solid	300.0	1849
890-523-11 MSD	H-3 (0-6')	Soluble	Solid	300.0	1849

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419 SDG: Eddy County NM

Client Sample ID: AH-1 (0-1') Lab Sample ID: 890-523-1

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 06:17	MR	XM
Total/NA	Prep	8015NM Prep			1813	04/15/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	1820	04/15/21 17:30	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 01:42	WP	XM

Client Sample ID: AH-1 (1-1.5') Lab Sample ID: 890-523-2

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 06:37	MR	XM
Total/NA	Prep	8015NM Prep			1813	04/15/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	1820	04/15/21 17:51	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 01:57	WP	XM

Client Sample ID: AH-1 (2-2.5) Lab Sample ID: 890-523-3

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1975	04/19/21 11:01	MR	XM
Total/NA	Analysis	8021B		1	1974	04/19/21 21:11	MR	XM
Total/NA	Prep	8015NM Prep			1813	04/15/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	1820	04/15/21 18:13	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 02:03	WP	XM

Client Sample ID: AH-1 (3-3.5) Lab Sample ID: 890-523-4

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 09:54	MR	XM
Total/NA	Prep	8015NM Prep			1813	04/15/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	1820	04/15/21 18:35	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 02:08	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419 SDG: Eddy County NM

Client Sample ID: AH-1 (4-4.5) Lab Sample ID: 890-523-5

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 10:15	MR	XM
Total/NA	Prep	8015NM Prep			1813	04/15/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	1820	04/15/21 18:56	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 02:13	WP	XM

Client Sample ID: AH-2 (0-1') Lab Sample ID: 890-523-6

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 10:35	MR	XM
Total/NA	Prep	8015NM Prep			1813	04/15/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	1820	04/15/21 19:18	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 02:28	WP	XM

Client Sample ID: AH-2 (1-1.5') Lab Sample ID: 890-523-7

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 10:56	MR	XM
Total/NA	Prep	8015NM Prep			1813	04/15/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	1820	04/15/21 19:39	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 02:33	WP	XM

Client Sample ID: AH-2 (2-2.5') Lab Sample ID: 890-523-8

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 11:16	MR	XM
Total/NA	Prep	8015NM Prep			1813	04/15/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	1820	04/15/21 20:01	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 02:38	WP	XM

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419 SDG: Eddy County NM

Client Sample ID: H-1 (0-6') Lab Sample ID: 890-523-9

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 11:36	MR	XM
Total/NA	Prep	8015NM Prep			1816	04/15/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	1818	04/15/21 18:35	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 02:43	WP	XM

Client Sample ID: H-2 (0-6') Lab Sample ID: 890-523-10

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 11:57	MR	XM
Total/NA	Prep	8015NM Prep			1816	04/15/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	1818	04/15/21 18:56	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 02:48	WP	XM

Client Sample ID: H-3 (0-6') Lab Sample ID: 890-523-11

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 12:17	MR	XM
Total/NA	Prep	8015NM Prep			1816	04/15/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	1818	04/15/21 19:18	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 02:53	WP	XM

Client Sample ID: H-4 (0-6') Lab Sample ID: 890-523-12

Date Collected: 04/14/21 00:00 **Matrix: Solid**
Date Received: 04/14/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1825	04/15/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1833	04/16/21 12:38	MR	XM
Total/NA	Prep	8015NM Prep			1816	04/15/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	1818	04/15/21 19:39	AJ	XM
Soluble	Leach	DI Leach			1849	04/15/21 17:59	SC	XM
Soluble	Analysis	300.0		1	1919	04/17/21 03:09	WP	XM

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419
SDG: Eddy County NM

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: Tetra Tech, Inc. Job ID: 890-523-1
Project/Site: Medano VA #17 212C-MD-02419 SDG: Eddy County NM

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Medano VA #17 212C-MD-02419

Job ID: 890-523-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-523-1	AH-1 (0-1')	Solid	04/14/21 00:00	04/14/21 15:45	0 - 1
890-523-2	AH-1 (1-1.5')	Solid	04/14/21 00:00	04/14/21 15:45	1 - 1.5
890-523-3	AH-1 (2-2.5)	Solid	04/14/21 00:00	04/14/21 15:45	2 - 2.5
890-523-4	AH-1 (3-3.5)	Solid	04/14/21 00:00	04/14/21 15:45	3 - 3.5
890-523-5	AH-1 (4-4.5)	Solid	04/14/21 00:00	04/14/21 15:45	4 - 4.5
890-523-6	AH-2 (0-1')	Solid	04/14/21 00:00	04/14/21 15:45	0 - 1
890-523-7	AH-2 (1-1.5')	Solid	04/14/21 00:00	04/14/21 15:45	1 - 1.5
890-523-8	AH-2 (2-2.5')	Solid	04/14/21 00:00	04/14/21 15:45	2 - 2.5
890-523-9	H-1 (0-6')	Solid	04/14/21 00:00	04/14/21 15:45	0 - 6
890-523-10	H-2 (0-6')	Solid	04/14/21 00:00	04/14/21 15:45	0 - 6
890-523-11	H-3 (0-6')	Solid	04/14/21 00:00	04/14/21 15:45	0 - 6
890-523-12	H-4 (0-6')	Solid	04/14/21 00:00	04/14/21 15:45	0 - 6

Analysis Request of Chain of Custody Record

890-523 Chain of Custody

1 of 2

Tetra Tech, Inc.

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

Client Name: EOG Resources

Site Manager: Paula Tocora Alonso

Project Name: Medano VA #17

Paula.TocoraAlonso@tetratech.com

Project Location: (county, state) Eddy County, New Mexico

Project #: 212C-MD-02419

Invoice to: James Kennedy

Receiving Laboratory: Xenco

Sampler Signature:

Comments:

LAB #	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)
	AH-1 (0-1')	4/14/21			X			X			
	AH-1 (1-1.5')										
	AH-1 (2-2.5')										
	AH-1 (3-3.5')										
	AH-1 (4-4.5')										
	AH-2 (0-1')										
	AH-2 (1-1.5')										
	AH-2 (2-2.5')										
	H-1 (0-6")										
	H-2 (0-6")										

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			Cue Cuba	4.14.21	1545
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature 3.8 / 3.6

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

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

Client Name: EOG Resources

Site Manager: Paula Tocora

Project Name: Medano VA #17

Project Location: (county, state) Eddy County, New Mexico

Project #: 212C-MD-02419

Invoice to: James Kennedy

Receiving Laboratory: Xenco

Sampler Signature:

Comments:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB #	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	H-3 (0-6")	4/14/21			X			X				X		X												X								
	H-4 (0-6")	4/14/21			X			X				X		X												X								

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature Pg 1

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-523-1
SDG Number: Eddy County NM

Login Number: 523
List Number: 1
Creator: Ordonez, Gabby

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-523-1
SDG Number: Eddy County NM

Login Number: 523
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 04/15/21 02:25 PM

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

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 56135

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 56135
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	12/22/2022