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Closure Report

Voni East Fed Tank Battery
Eddy County, New Mexico
Incident # **nAPP2202659785**
B-21-26S-31E

Prepared For:

Matador Production Company
One Lincoln Center
Dallas, TX 75240

Prepared By:

Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

July 29, 2022

Mr. Rob Hamlet
NMOCD
Artesia, NM

Mr. Jim Amos
BLM
Carlsbad , NM

Subject: **Closure Report**
 Voni East Fed Tank Battery
 Eddy County, New Mexico
 Incident # **nAPP2202659785**

Dear Mr. Hamlet,

Matador Production Company contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

Site Information

The Voni East Federal Tank Battery is located approximately thirty (36) miles southeast of Carlsbad New Mexico. The legal description for the site of the release is Unit Letter B, Section 21, Township 26 South and Range 31 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.533 and -104.087587. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Tonuco loamy fine sand, with 0 to 3 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala Formation, lower Pliocene to Middle Miocene in age, and comprised of mixed alluvium and/or eolian sands. The soil characterization for this site contains a certain level of natural salinity. Drainage courses in this area are excessively well drained.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 365 feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a potentially high Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs, Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	365 Feet/bgs
---	---------------------

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole or a playa lake
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 1000 feet of any freshwater well or spring
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of a wetland
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Within an unstable area
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain

Because the release occurred on a location that is situated within a potentially high Karst area, the clean-up criteria for the upper 4 feet of this site per NMAC 19.15.29.13.D is as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On January 23, 2022 Matador personnel noticed a release of fluid as a result of header valve failure on the SWD pump. Matador personnel took proactive measure by the hydro-vacking and scraping up of saturated soils. Talon was contracted to assess this site. A spill notification and subsequent C-141 was submitted to the NMOCD that assigned this incident no. **nAPP2202659785**. Approximately 78 bbl of produced water were released and 10 bbl were recovered. The C-141 is attached in Appendix V. The site map is presented in [Appendix I](#).

Site Assessment

On January 25, 2022 Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble Juno 3B, photographed and sampled utilizing a hand auger. Auger refusal was encountered at all sample positions. All soil samples were properly packaged, preserved, and transported to Cardinal Laboratories via chain of custody for analysis of Total Chlorides (CI Method SM4500CI-B), TPH (Total Petroleum Hydrocarbons EPA Method 8015M), and BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes EPA Method 8021B). Sample locations are shown on the attached Figure 1 ([Appendix I](#)), and the results of our sampling event are presented on the following data table.

Table I
01/28/2021 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	1/25/2022	0-1'R	ND	ND	DN	ND	ND	-	5360
S-2	1/25/2022	0-1'R	ND	ND	ND	99.2	ND	99.2	6880
S-3	1/25/2022	0-1'R	ND	ND	ND	187	21.3	208.3	12700
S-4	1/25/2022	0-1'R	ND	ND	ND	60.4	ND	60.4	13700
S-5	1/25/2022	0-1'R	ND	ND	ND	153	14.6	167.6	12700
S-6	1/25/2022	0-1'R	ND	ND	ND	39	ND	39	7840
S-7	1/25/2022	0'	ND	ND	ND	121	37.8	158.8	272
S-8	1/25/2022	0'	ND	ND	ND	74.5	23.9	98.4	336
S-9	1/25/2022	0'	ND	ND	ND	ND	12.4	12.4	400

ND=Analyte Not Detected

R=Auger Refusal

See Appendix [IV](#) for the complete report of laboratory results.

On March 23, 2022 based on the laboratory results from the initial assessment data and upon client authorization, Talon personnel and equipment were mobilized to the site, in order to commence remediation of the impacted pad area around risers and utility lines. Field titration data was used to guide the clean-up efforts. The impacted area was excavated from 2 foot to 3 feet in depth. All soil samples were properly collected on a five-point composite basis, and preserved for transport to Cardinal Laboratories in order to confirm that NMOCD clean-up criteria had been achieved in accordance with Table 1 standards. The confirmation results from the laboratory are tabulated below. Confirmation sample locations are illustrated on Figure 3 ([Appendix I](#)).

Table II
03/30/2022 Soil Confirmation Samples Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	3/25/2022	2'	ND	ND	ND	ND	ND	0	128
S-2A	3/23/2022	2'	ND	ND	ND	ND	ND	0	288
S-3A	3/23/2022	5'	ND	ND	ND	ND	ND	0	256
S-4A	3/23/2022	3'	ND	ND	ND	ND	ND	0	368
S-5A	3/23/2022	2'	ND	ND	ND	ND	ND	0	304
S-6A	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
S-7A	3/25/2022	3'	ND	ND	ND	ND	ND	0	144
S-10A	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
S-11A	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
S-12A	3/25/2022	3'	ND	ND	ND	ND	ND	0	176
S-13A	3/25/2022	3'	ND	ND	ND	ND	ND	0	176
S-14A	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
S-15A	3/23/2022	3'	ND	ND	ND	ND	ND	0	400
SW-1	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
SW-2	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
SW-3	3/25/2022	3'	ND	ND	ND	ND	ND	0	144
SW-4	3/25/2022	3'	ND	ND	ND	ND	ND	0	144
SW-5	3/25/2022	2'	ND	ND	ND	ND	ND	0	160
SW-6	3/25/2022	3'	ND	ND	ND	ND	ND	0	176
SW-7	3/25/2022	5'	ND	ND	ND	ND	ND	0	176
SW-8	3/25/2022	3'	ND	ND	ND	ND	ND	0	160

ND= Analyte Not Detected SW= Sidewall

See [Appendix IV](#) for the complete report of laboratory results.

Remedial Actions

- The impacted area of the pad was excavated to depths from 2 feet to 3 feet in depth. and to the horizontal extent that sidewalls tested below the remediation levels for NMOCD Table 1 guidelines. All surface staining was removed. Laboratory analysis confirms that NMOCD closure criteria for soil remediation vertically and horizontally has been achieved.
- The areas under high-pressure lines were hand excavated or hydro-vacked to the extent safe and practicable. No additional excavation could be conducted around the electrical panels due to safety constraints. However, sample positions S-2A and S-11A analyte levels indicated that the clean-up levels had been achieved. No sidewall samples from this area could be obtained as beneath the surface is dense with high voltage electrical lines.
- Background and sidewall samples were collected and analyzed in order to verify that horizontal remediation had been achieved in accordance with NMOCD clean-up criteria.
- All contaminated soil, approximately 175.54 tons were transported to Lea Landfill, a NMOCD approved solid waste disposal facility. All liquid state contamination was disposed of at R360, also a NMOCD approved disposal facility.
- The excavated pad area was backfilled with clean caliche transported from Lea Landfill. as this is a high-volume traffic area, the pad was packed, and restored to grade.

Closure

On behalf of Matador Resources, Inc. we respectfully submit this closure report for the referenced incident. Based on this site characterization, remedial action completed, and analytical results, we request that no further actions be required.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

Rebecca S. Pons
Senior Environmental Project Manager

Attachments:

Appendix I Site Plans
Appendix II Groundwater Data, Soil Survey
Appendix III Photographic Documentation
Appendix IV Laboratory Data
Appendix V NMOCD File-C141




Appendix I

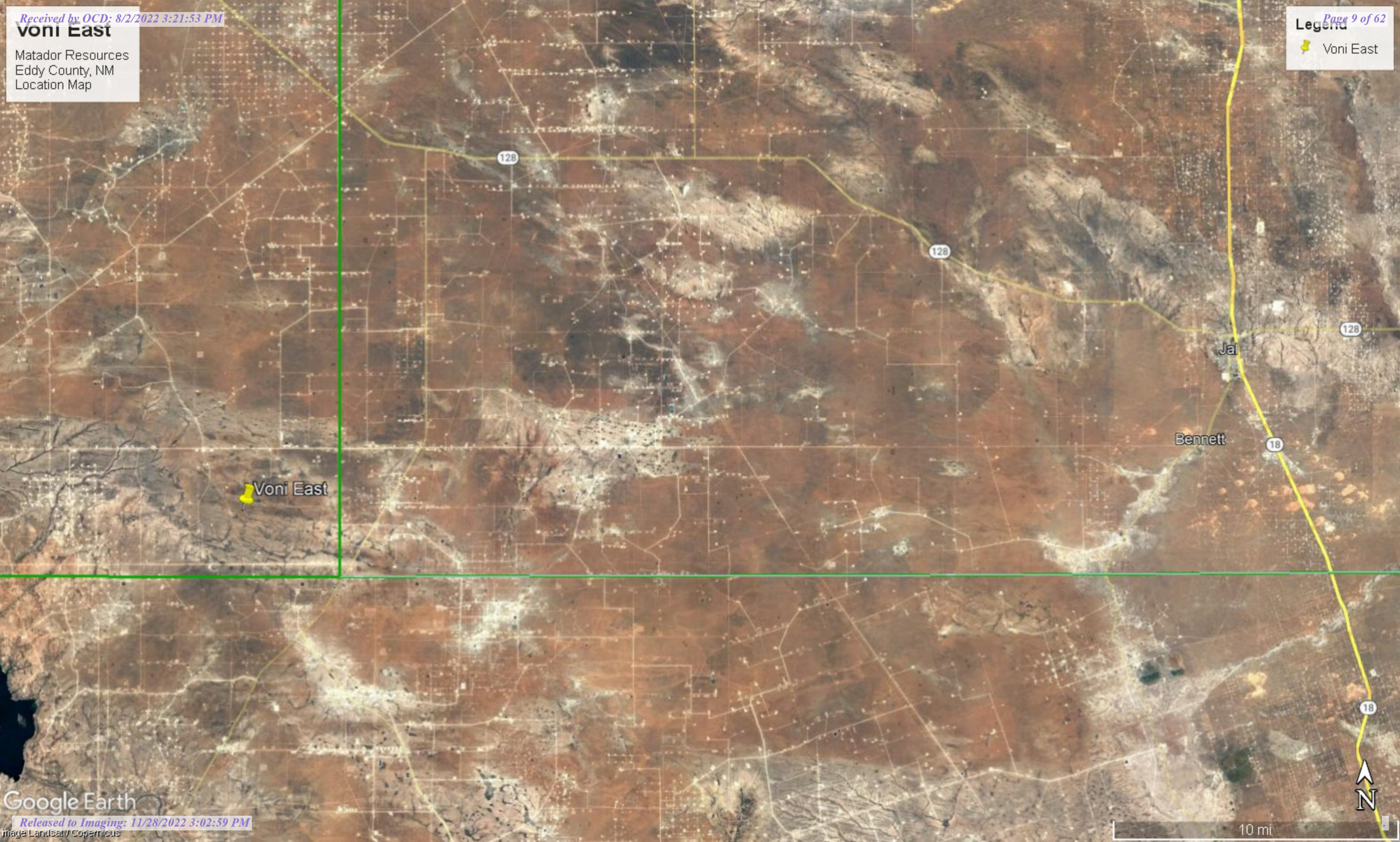
Site Maps

Voni East

Matador Resources
Eddy County, NM
Location Map

Legend

 Voni East

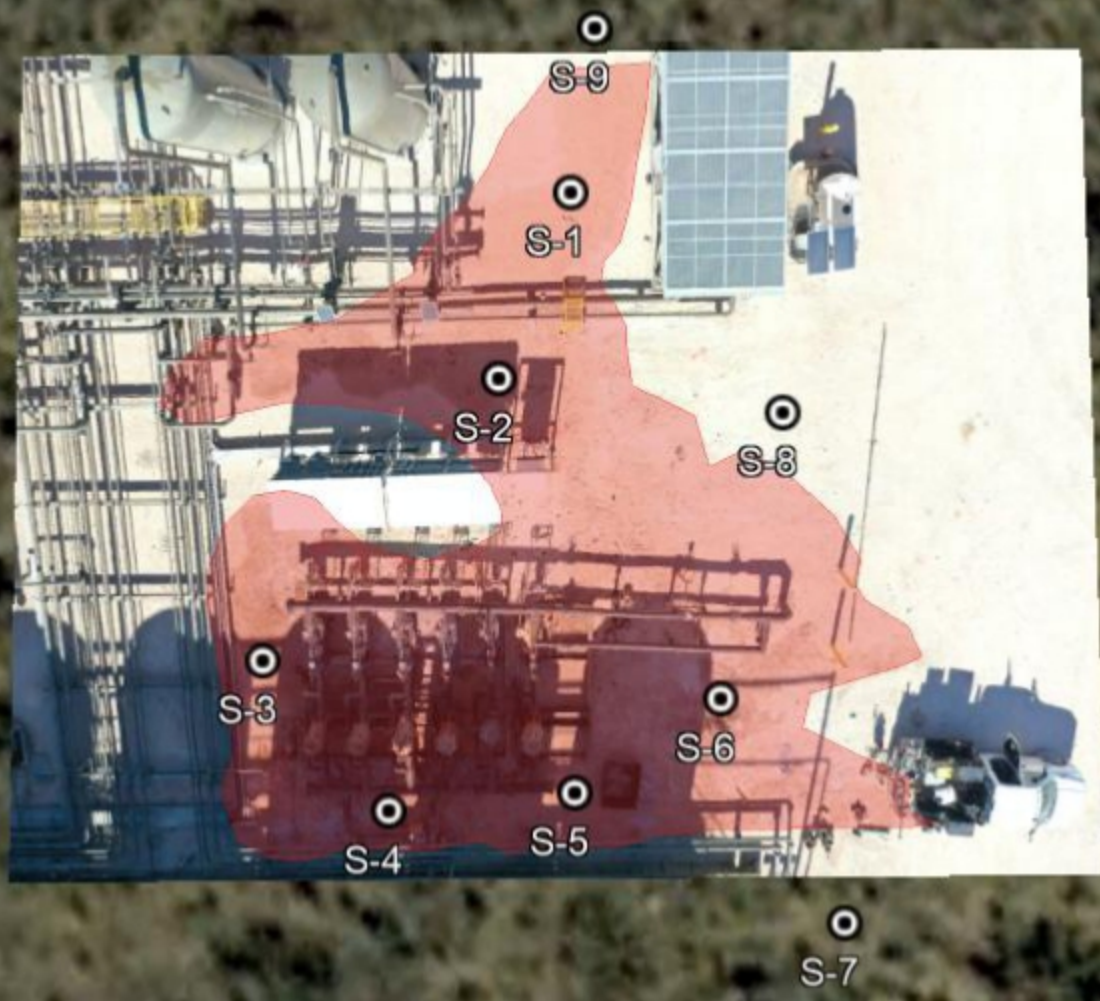


Voni East

Matador Resources
Eddy County, NM
Site Assessment Map

Legend

- Sample Point
- Spill Area



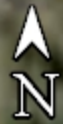
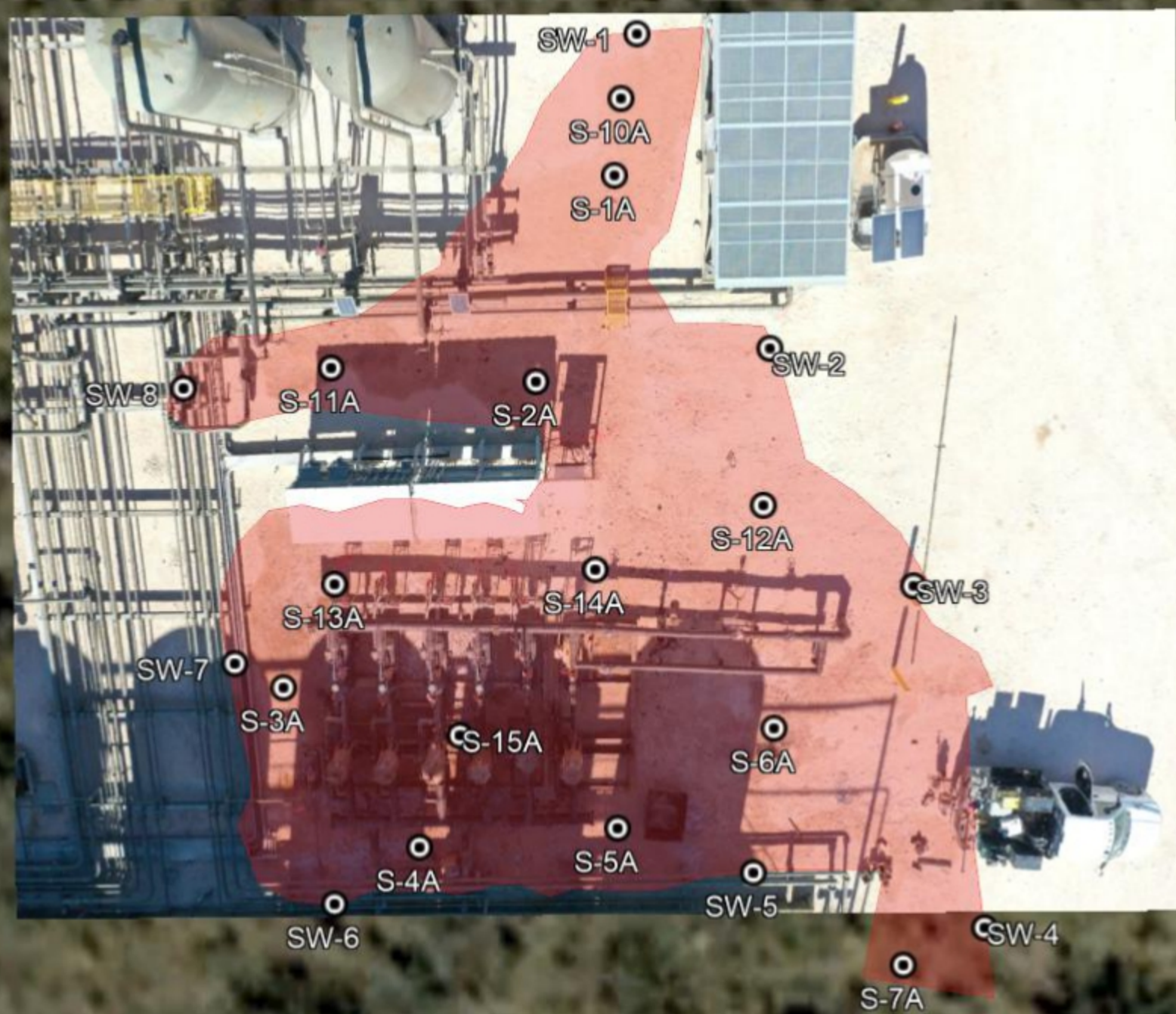
Voni East

Matador Resources
Eddy County, NM
Confirmation Sample Map

Legend

- Excavation
- Sample Position
- Voni East

Voni East



Matador Production Company

Voni East Fed Tank Battery
Eddy County, NM
Incident no. nAPP2202659785

Karst Map

Legend

- High
- Low
- Medium
- Voni East Fed Tank Battery

Voni East Fed Tank Battery



200 ft

National Flood Hazard Layer FIRMette



103°47'6"W 32°2'16"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/29/2022 at 12:11 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

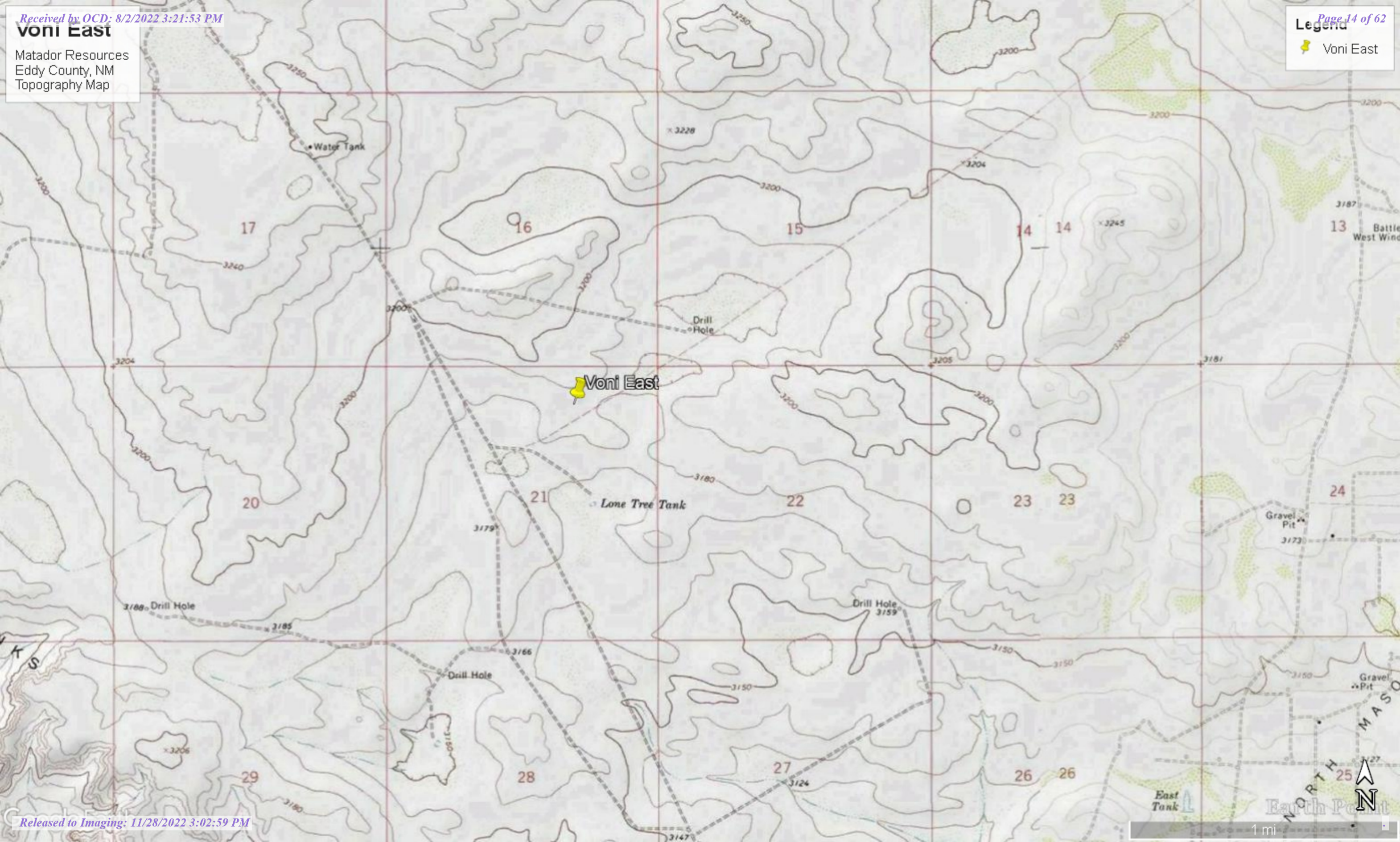
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Voni East

Matador Resources
Eddy County, NM
Topography Map

Legend

-  Voni East





Appendix II

Groundwater Data, & Soil Survey



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	County	Q Q Q						X	Y	Distance	DepthWell	DepthWater	Water Column	
		Sub-basin		64	16	4	Sec	Tws	Rng							
C 01777		C	ED				08	26S	31E	613245	3547409*		3295	325	300	25
C 02248		CUB	ED	1	2	3	08	26S	31E	612942	3547316*		3414	300	292	8
C 02249		CUB	ED	1	2	3	08	26S	31E	612942	3547316*		3414	300	292	8
C 02165		C	ED				24	26S	30E	610036	3544121*		5215	440	180	260
C 02090		C	ED	4	4	01	26S	31E	620329	3548533*		6355	350	335	15	
C 03639 POD1		CUB	ED	3	4	2	01	26S	31E	620168	3549279		6705	700	365	335
C 04209 POD2		C	LE	2	3	3	06	26S	32E	620818	3548657		6825	340	155	185
C 04256 POD1		C	ED	4	4	2	01	26S	31E	620384	3549257		6851	666	340	326
C 04209 POD1		CUB	LE	2	3	3	06	26S	32E	620903	3548619		6874	360	155	205
C 03554 POD1		CUB	ED	2	1	4	01	26S	31E	620547	3549148		6906	630	300	330
C 03829 POD1		CUB	LE	3	3	1	06	26S	32E	620628	3549186		6992	646	350	296

Average Depth to Water: **278 feet**

Minimum Depth: **155 feet**

Maximum Depth: **365 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 615211.16

Northing (Y): 3544764.61

Radius: 7000

*UTM location was derived from PLSS - see Help

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

1/25/22 4:15 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03639 POD1	3	4	2	01	26S	31E	620168	3549279

Driller License: 1654 Driller Company: NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC
Driller Name:

Drill Start Date: 09/23/2013 Drill Finish Date: 09/25/2013 Plug Date:

Log File Date: 10/25/2013 PCW Rev Date: Source: Shallow

Pump Type: Pipe Discharge Size: Estimated Yield:

Casing Size: 6.00 Depth Well: 700 feet Depth Water: 365 feet

Water Bearing Stratifications: Top Bottom Description

560	600	Sandstone/Gravel/Conglomerate
-----	-----	-------------------------------

Casing Perforations: Top Bottom

600	660
-----	-----

Meter Number: 16575 Meter Make: MASTERMETER

Meter Serial Number: 8827642 Meter Multiplier: 100.0000

Number of Dials: 6 Meter Type: Diversion

Unit of Measure: Gallons Return Flow Percent:

Usage Multiplier: Reading Frequency:

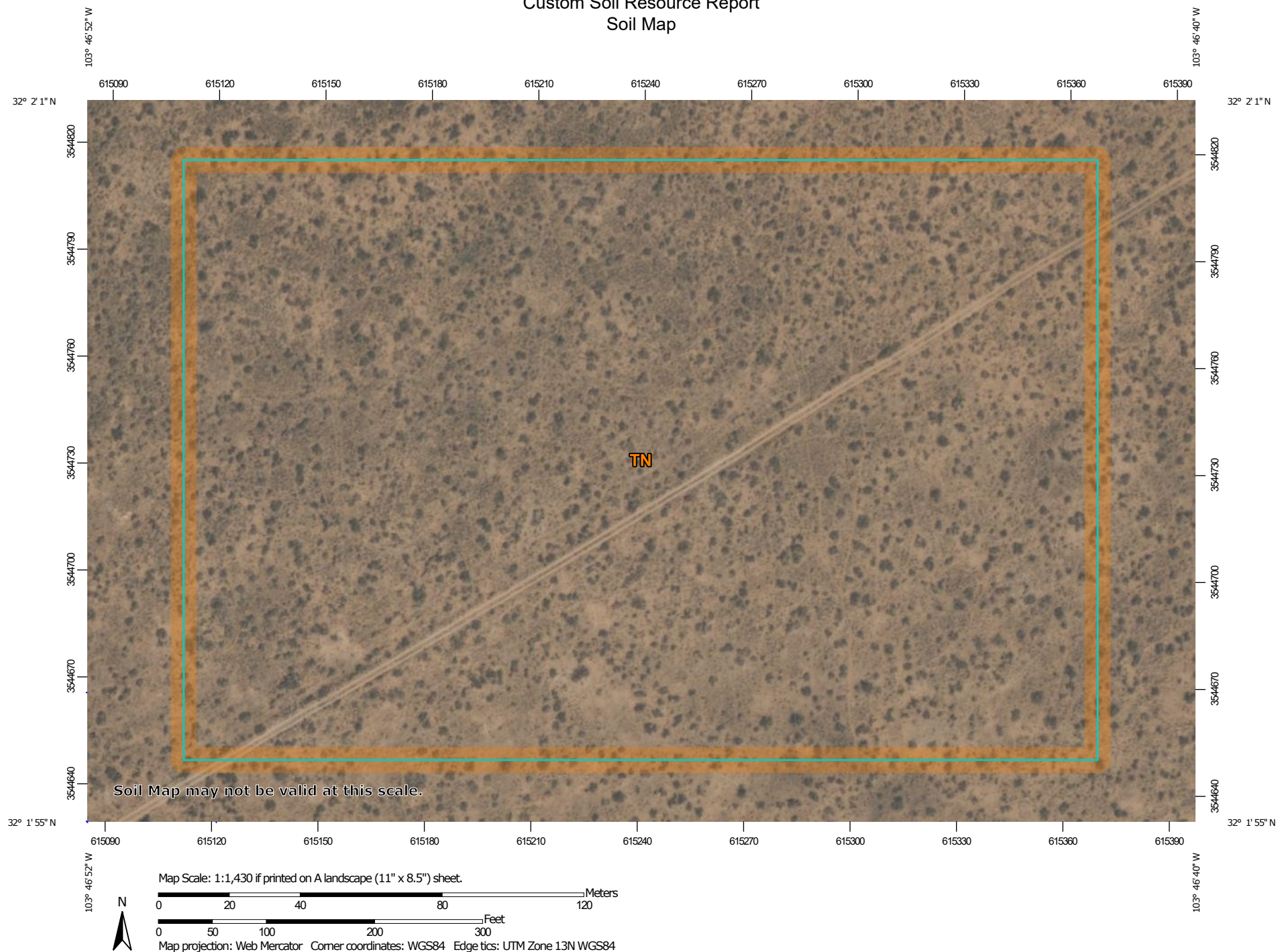
Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
12/26/2013	2013	4487	A	RPT		0
04/01/2014	2014	15593	A	RPT		3.408
07/01/2014	2014	27654	A	RPT		3.701
10/01/2014	2014	43114	A	RPT		4.744
12/31/2014	2014	54047	A	RPT		3.355
02/01/2015	2015	55287	A	RPT		0.381
03/02/2015	2015	56670	A	RPT		0.424
04/02/2015	2015	60341	A	RPT		1.127
04/30/2015	2015	65590	A	RPT		1.611
05/31/2015	2015	71252	A	RPT		1.738
07/01/2015	2015	74451	A	RPT		0.982
08/01/2015	2015	77975	A	RPT		1.081
08/31/2015	2015	82253	A	RPT		1.313
10/01/2015	2015	86369	A	RPT		1.263

**YTD Meter Amounts: Year Amount

2013	0
2014	15.208
2015	9.920

Custom Soil Resource Report Soil Map



Custom Soil Resource Report

Eddy Area, New Mexico**TN—Tonuco loamy fine sand, 0 to 3 percent slopes, eroded****Map Unit Setting***National map unit symbol:* 1w62*Elevation:* 3,000 to 4,100 feet*Mean annual precipitation:* 10 to 14 inches*Mean annual air temperature:* 60 to 64 degrees F*Frost-free period:* 200 to 217 days*Farmland classification:* Not prime farmland**Map Unit Composition***Tonuco and similar soils:* 98 percent*Minor components:* 2 percent*Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Tonuco****Setting***Landform:* Plains, alluvial fans*Landform position (three-dimensional):* Rise*Down-slope shape:* Convex, linear*Across-slope shape:* Linear*Parent material:* Mixed alluvium and/or eolian sands**Typical profile***H1 - 0 to 5 inches:* loamy fine sand*H2 - 5 to 15 inches:* loamy fine sand*H3 - 15 to 19 inches:* indurated**Properties and qualities***Slope:* 0 to 3 percent*Depth to restrictive feature:* 6 to 20 inches to petrocalcic*Drainage class:* Excessively drained*Runoff class:* Very high*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)*Depth to water table:* More than 80 inches*Frequency of flooding:* None*Frequency of ponding:* None*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)*Sodium adsorption ratio, maximum:* 1.0*Available water supply, 0 to 60 inches:* Very low (about 1.3 inches)**Interpretive groups***Land capability classification (irrigated):* None specified*Land capability classification (nonirrigated):* 7e*Hydrologic Soil Group:* D*Ecological site:* R042XC004NM - Sandy*Hydric soil rating:* No**Minor Components****Tonuco***Percent of map unit:* 1 percent

Custom Soil Resource Report

Ecological site: R042XC004NM - Sandy

Hydric soil rating: No

Dune land

Percent of map unit: 1 percent

Hydric soil rating: No

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

1/25/22 4:19 PM

POINT OF DIVERSION SUMMARY



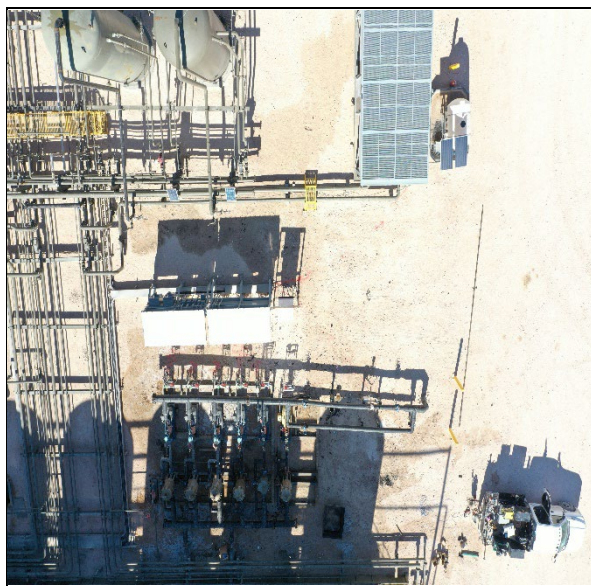
Appendix III

Photographic Documentation



Photograph No.1 Description:

Aerial of spill area at source.



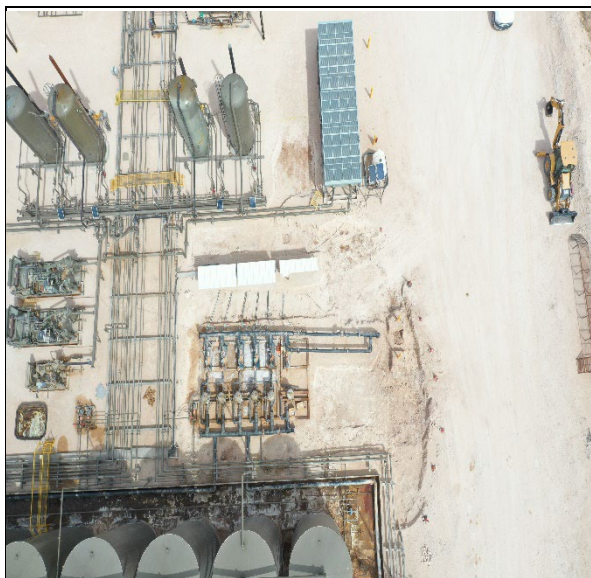
Photograph No.2 Description:

Aerial of spill area around electrical units.



Photograph No.3 Description:

Aerial of excavation at source.



Photograph No.4 Description:

Aerial of excavation around electrical units.



Photograph No.5 Description:

Backfill at source and returned to grade.



Photograph No.6 Description:

North side backfilled and restored to grade.



Photograph No.5 Description:

Backfill north side of electrical units



Photograph No.6 Description:

Backfill south side of electrical units



Appendix IV

Laboratory Data



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 30, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VONI EAST

Enclosed are the results of analyses for samples received by the laboratory on 03/25/22 16:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 A 2' (H221203-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.45	107	6.00	7.57	
Total BTX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/30/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 A 3' (H221203-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2022	ND	2.09	105	2.00	4.24		
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	103	2.00	8.24		
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	2.15	108	2.00	7.53		
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.45	107	6.00	7.57		
Total BTEx	<0.300	0.300	03/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/30/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 7 A 3' (H221203-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2022	ND	2.09	105	2.00	4.24		
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	103	2.00	8.24		
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	2.15	108	2.00	7.53		
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.45	107	6.00	7.57		
Total BTEX	<0.300	0.300	03/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 11 A 3' (H221203-04)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEx	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 12 A 3' (H221203-05)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 13 A 3' (H221203-06)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 14 A 3' (H221203-07)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEx	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 1 A (H221203-08)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 95.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 2 A (H221203-09)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 3 A (H221203-10)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEx	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 4 A (H221203-11)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEx	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.4 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 5 A (H221203-12)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 6 A (H221203-13)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 7 A (H221203-14)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 126 % 66.9-136

Surrogate: 1-Chlorooctadecane 135 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 8 A (H221203-15)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 03/25/2022
 Reported: 03/30/2022
 Project Name: VONI EAST
 Project Number: 702520.016.01 CTB
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 03/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 10 A 3' (H221203-16)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE
Project Manager:

Address: 408 W. Texas Ave

City: Artesia

Phone #: 575.746.8768

State: NM zip: 88210

Project #: 162520-014.01

Fax #:

Project Name: Vici East CTB

Project Location: EDDY

Sampler Name: A. Davis

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H221203

		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME										
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :												
1	3.1A 2'									3/26	10:15	CL FB BTAP TPH									
2	3.10A 3'										10:20										
3	3.7A 3'										10:25										
4	3.11A 3'										10:30										
5	3.12A 3'										10:38										
6	3.13A 3'										10:40										
7	3.14A 3'										10:46										
8	3.15A 3'										1:00										
9	3.16A 3'										1:05										
10	3.17A 3'										1:10										

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Relinquished By: [Signature]
Date: 3/26/2022
Time: 11:02
Received By: [Signature]
Date: 3/26/2022
Time: 11:02

Delivered By: (Circle One) 25.58 20-0.58
Sampler - UPS - Bus - Other: 25c #113
Sample Condition: Cool ☒ Intact ☒
Checked By: [Signature]
Phone Result: ☐ Yes ☐ No Add'l Phone #: [Signature]
Fax Result: ☐ Yes ☐ No Add'l Fax #: [Signature]

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(505) 393-3300 FAX (505) 393-3300

(575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager:		Company:					
Address: 408 W. Texas Ave		Attn:					
City: Artesia	State: NM	zip: 88210					
Phone #: 575.746.8768	Fax #:	Address:					
Project #: 102530-014.01	Project Owner:	City:					
Project Name: VOU ECR CTB	State:	Zip:					
Project Location: ED04	Phone #:						
Sampler Name: A. Davis	Fax #:						

FOR LAB USE ONLY		MATRIX		PRESERV.	SAMPLING
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS		
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			

DATE	TIME	CL	BLK	HT
3/25	1:16			
	1:20			
	1:25			
	1:30			
	1:35			
	10:30			

added per R. Davis 3/25/02

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Refiniquished By: [Signature] **Date:** 3/25/02 **Received By:** [Signature]

Relinquished By: [Signature] **Date:** 3/25/02 **Received By:** [Signature]

Delivered By: (Circle One) **2552 JC-O.S.E** Sample Condition **CHECKED BY:** (Initials) **SRZ**

Sampler - UPS - Bus - Other: **2552 JC-O.S.E** Cool Intact Yes No Yes No

REMARKS:
Email Results R. Davis@TalonLPE.com
SCARLES@TalonLPE.com
A. Davis@TalonLPE.com

2042



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 04, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VONI EAST

Enclosed are the results of analyses for samples received by the laboratory on 03/30/22 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 2 A 2' (H221272-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55	
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05	
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13	
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81	
Total BTX	<0.300	0.300	04/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/01/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 5 A 2' (H221272-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55		
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81		
Total BTEX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	04/01/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 3 A 5' (H221272-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55		
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81		
Total BTEX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	04/01/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 16 3' (H221272-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55		
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81		
Total BTEX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/01/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 4 A 3' (H221272-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55		
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81		
Total BTEx	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/01/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



Appendix V

NMOCD

C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	nAPP2202659785
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Matador Production Company	OGRID: 228937
Contact Name: Arsenio T. Jones	Contact Telephone: 575-361-4333
Contact email: arsenio.jones@matadorresources.com	Incident # (assigned by OCD: nAPP2202659785)
Contact mailing address: One Lincoln Centre Dallas, TX 75240	

Location of Release Source

Latitude 32.033226 Longitude -103.779797 (location of source)
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Voni East Fed Tank Battery	Site Type: CTB
Date Release Discovered: 01-23-22	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	21	26S	31E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 78 bbls	Volume Recovered (bbls) 10bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

Header Valve on the SWD pump failed causing the release. Spill Calculations are attached.

Form C-141

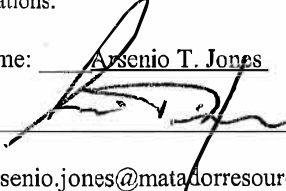
State of New Mexico
Oil Conservation Division

Page 2

Incident ID	nAPP2202659785
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The volume of release >25 bbl
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was provided to the NMOCD on 01/26/2022 by Arsenio Jones of Matador (online).	

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: <u>Arsenio T. Jones</u> Title: <u>Regulatory, Environmental and Safety Specialist</u> Signature: <u></u> Date: <u>1/27/2022</u> email: <u>arsenio.jones@matadorresources.com</u> Telephone: <u>575-361-4333</u>
<u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>2/7/2022</u>

Incident ID	nAPP2202659785
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?	<u>70</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Form C-141

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Oil Conservation Division

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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: Arsenio T. Jones Title: Regulatory, Environmental and Safety SpecialistSignature:  Date: 1/27/2022email: arsenio.jones@matadorresources.com Telephone: 575-361-4333**OCD Only**Received by: Jocelyn Harimon Date: 08/02/2022

Incident ID	nAPP2202659785
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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Arsenio T. Jones Title: Regulatory, Environmental and Safety SpecialistSignature:  Date: 8/1/2022email: arsenio.jones@matadorresources.com Telephone: 575-361-4333**OCD Only**Received by: Jocelyn Harimon Date: 08/02/2022☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2202659785
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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: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist

Signature: [Signature] Date: 8/1/2022

email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

OCD Only

Received by: Jocelyn Harimon Date: 08/02/2022

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: Jocelyn Harimon [Signature] Date: 11/28/2022

Printed Name: Jocelyn Harimon Title: Environmental Specialist

Rebecca Pons

From: Rebecca Pons
Sent: Wednesday, March 23, 2022 2:50 PM
To: Enviro, OCD, EMNRD; Arsenio Jones
Subject: Incident No. NAPP2202659785

Good Afternoon,
Please accept this email as notification of the 48 hour confirmation sampling event for the Voni East Fed Tank Battery. Talon personnel will be on site Friday March 25, 2022 for the sampling event.

Respectfully,

Rebecca Pons

Rebecca Pons
Senior Environmental Project Manager
Office: 575.746.8768 x708
Direct: 575.616.4023
Cell: 575.441.0980
Fax: 575.746.8905
Emergency: 866.742.0742
Web: www.talonlpe.com



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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 130824

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 130824
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	11/28/2022