209 W. McKay Street
Carlsbad, New Mexico 88220
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January 16, 2025

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: **Site Characterization and Deferral Request**
Devon Energy Production Company
Van Doo Dah 33 CTB 2
Unit N, Section 33, Township 25S, Range 32E
Site Coordinates: 32.0821195, -103.6828658
Lea County, New Mexico
Incident ID: nAPP2422029229

Introduction

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Deferral Request for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for the release number: nAPP2422029229 – Van Doo Dah 33 CTB 2 (Site). The Site is in Unit Letter N, Section 33, of Township 25 South and Range 32 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.0821195° N latitude and 103.6828658° W longitude. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

Background

Based on the Release Notification C-141 Form, the release was discovered on August 06, 2024, and was due to an equipment failure. Upon discovery, the Site was shut-in and repairs ensued. The spill resulted in a release of approximately two hundred (200) barrels (bbls) of produced water of which two hundred (200) bbls of produced water were recovered for an approximate net loss of zero (0) bbls of produced water. The release area is shown on Figure 3.

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½-mile radius of the Site. The (3) three closest groundwater wells [i.e., C-04209 POD1 (2.35 miles away), C-04209 POD2 (2.39 miles away), and C-03829 POD-1 (2.37 miles away] indicate that the average depth to groundwater is 220 feet (ft) below ground surface (bgs). No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to the report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low Karst	unknown

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Liner Inspection

On January 10, 2025, NTGE conducted site assessment activities to assess the integrity and state of the lined containment. Upon inspection it was noted that the liner was intact with no visible holes or breaches, and free of any standing fluids. A photographic log documenting the condition of the time of the inspection is attached along with the secondary containment unit which is shown on Figure 6.

Initial Soil Delineation Assessment Summary and Findings

On August 21, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. One (1) vertical sample point (V-1) was installed within the release area, while three (3) horizontal sample points (H-1 through H-3) were installed adjacent to the release area in order to characterize the impact. Soil samples were collected at half-foot (0.5) to one (1) foot (ft) intervals from depths ranging from zero (0) to two and a half (2.5) ft below ground surface (bgs) with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil samples to prevent cross-contamination.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) (by EPA Method 8021B), total petroleum hydrocarbon (TPH) (by EPA method 8015 modified), and chloride (method SM4500Cl-B). Analytical results indicated that chloride concentrations exceeded the NMOCD regulatory limits in the area of V-1 to a depth of two and a half (2.5) ft bgs. All remaining samples were below NMOCD regulatory limits for analysis analyzed.

On August 27, 2024, NTGE returned to Site to complete the vertical delineation of the release. Delineation sample point V-1 was reinstalled within the release area and collected at one (1) ft intervals to a maximum depth of five and a half (5.5) ft bgs. Soil samples were delivered to Cardinal Laboratories for the analysis of BTEX, TPH, and chloride. Analytical results indicated that all delineation samples were below NMOCD regulatory criteria.

Analytical results are included in Table 1, while soil boring locations are shown on Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to a depth of three (3) ft bgs in the area of V-1.

On September 25, 2024, NTGE was on site to collect one (1) composite base sample (CS-1) and four (4) sidewall composite samples (SW-1 to SW-4) to ensure impacted soil was removed. Soil samples were delivered to Cardinal for the analysis of BTEX, TPH, and chloride. Analytical results indicated that one (1) sidewall sample (SW-1) was above NMOCD regulatory criterion for chloride only at the site. Devon personnel have expressed that the excavation of SW-1 cannot be expanded horizontally due to the presence of facility infrastructure (i.e., secondary containment) abutted to the excavation and the associated safety concerns in further encroaching the infrastructure.

On October 4, 2024, NTGE returned to site to install one (1) delineation point (DS-1) to complete delineation of the area behind SW-1. Soil samples were collected at the base of the excavation, approximately three (3) ft bgs, in one (1) ft intervals ranging from one (1) to three (3) ft horizontally at the excavation base depth and were bored directly into SW-1. Soil samples were delivered to Cardinal for the analysis of BTEX, TPH, and chloride. Analytical results indicated that delineation was achieved at a horizontal distance of two (2) ft.

On January 10, 2025, NTGE returned to site to install two (2) delineation points (DS-2 and DS-3) to complete delineation of the area to the east and west of SW-1. Soil samples were collected half foot (0.5) intervals ranging from surface (0) to three and a half (3.5) ft bgs. Soil samples were submitted to Eurofins in Carlsbad, New Mexico for the analysis of BTEX, TPH, and chlorides. Analytical results indicated that all samples were below NMOCD standards.

The final excavation extent and confirmation sample locations are shown on Figure 4, while deferral area and delineation samples are shown on Figure 5. Analytical results of the confirmation samples and delineation samples are included in Table 2.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. The confirmation samples collected represent an area no greater than 200 square feet and were analyzed for BTEX (EPA Methods 8021B), TPH (EPA Method 8015 modified), and chloride (Methods MS4500Cl-b). Laboratory analytical methods and chain-of-custody documents are attached.

Deferral Request

Devon personnel have expressed that the excavation area of SW-1 cannot be expanded vertically or horizontally due to the presence of facility infrastructure (i.e., secondary containment) abutted to the excavation and associated safety concerns in further encroaching the infrastructure. The infrastructure abutted to the excavation is shown on Figure 5. On behalf of Devon, NTG Environmental formally request a deferral to address the remaining soil impacts at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate the safety concerns, whichever is sooner. Should the deferral be granted, a remedial action report documenting excavation expansion and confirmation sampling activities will be prepared and filed following completion of the further actions to be completed at a future date.

If you have any questions regarding this letter, please contact us at (432)-701-2159.

Sincerely,
NTG Environmental

Ethan Sessums
Project Manager

Attachments:

- Tables
- Figures
- Site Characterization Documentation
- Photographic Log
- NMOCD Correspondence
- Laboratory Reports and Chain-of-Custody Documents

TABLES

Table 1
Summary of Soil Analytical Data - Initial Assesment
Van Doo Dah 33 CTB 2
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Vertical Delineation Samples													
V-1	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**6,960**
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**1,840**
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**1,230**
	8/27/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16.0**
	8/27/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16.0**
	8/27/2024	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Horizontal Delineation Samples													
H-1	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**240**
H-2	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**64.0**
H-3	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**96.0**

Notes:
1. Values reported in mg/kg
2.< = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
~~SP-1~~ Sample Point Excavated
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
9. --- Not Analyzed

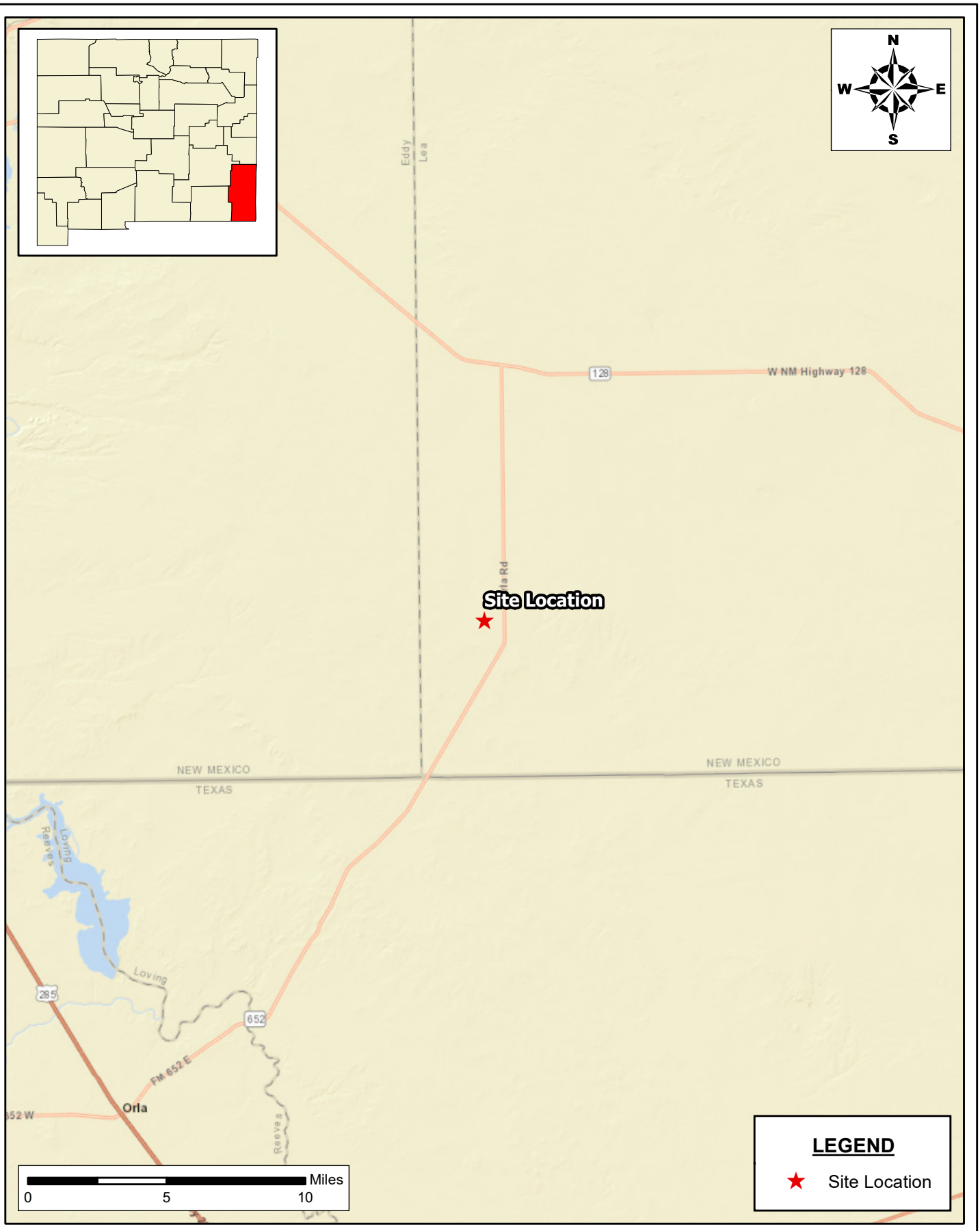
Table 2
Summary of Soil Analytical Data - Confirmation Sampling
Van Doo Dah 33 CTB 2
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Base Confirmation Samples													
CS-1	9/25/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**192**
Sidewall Samples													
SW-1	9/25/2024	0-3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**816**
SW-2	9/25/2024	0-3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**176**
SW-3	9/25/2024	0-3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**64.0**
SW-4	9/25/2024	0-3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**96.0**
DS-1	10/4/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**1,570**
	10/4/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**496**
	10/4/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**48.0**
DS-2	1/10/2025	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	**151**
	1/10/2025	1-1.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	**108**
	1/10/2025	2-2.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	**110**
	1/10/2025	3-3.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**137**
DS-3	1/10/2025	0-6"	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	**122**
	1/10/2025	1-1.5	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	**109**
	1/10/2025	2-2.5	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	**132**
	1/10/2025	3-3.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	**121**

Notes:

1. Values reported in mg/kg
2.< = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
~~SP-1~~ Sample Point Excavated
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
9. --- Not Analyzed

FIGURES



SITE LOCATION MAP
SITE CHARACTERIZATION AND DEFERRAL REQUEST
DEVON ENERGY PRODUCTION COMPANY
VAN DOO DAH 33 CTB 2
LEA COUNTY, NEW MEXICO

SCALE: As Shown | Date: 8/26/2024 | PROJECT #:249029

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenvironmental.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

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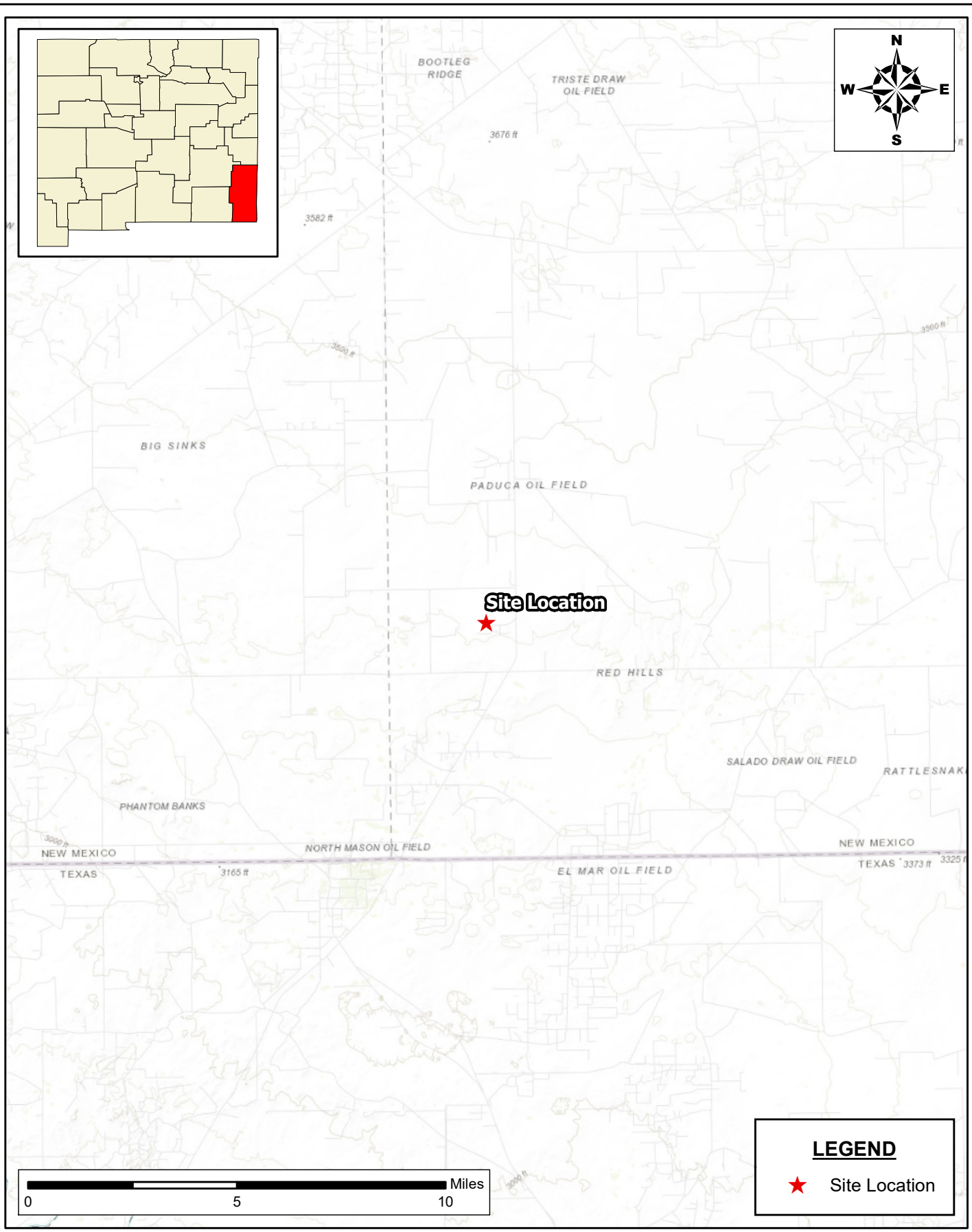

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TOPOGRAPHIC MAP
SITE CHARACTERIZATION AND DEFERRAL REQUEST
DEVON ENERGY PRODUCTION COMPANY
VAN DOO DAH 33 CTB 2
LEA COUNTY, NEW MEXICO

SCALE: As Shown	Date: 8/19/2024	PROJECT #:249029

New Tech Global Environmental, LLC
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NOTES:
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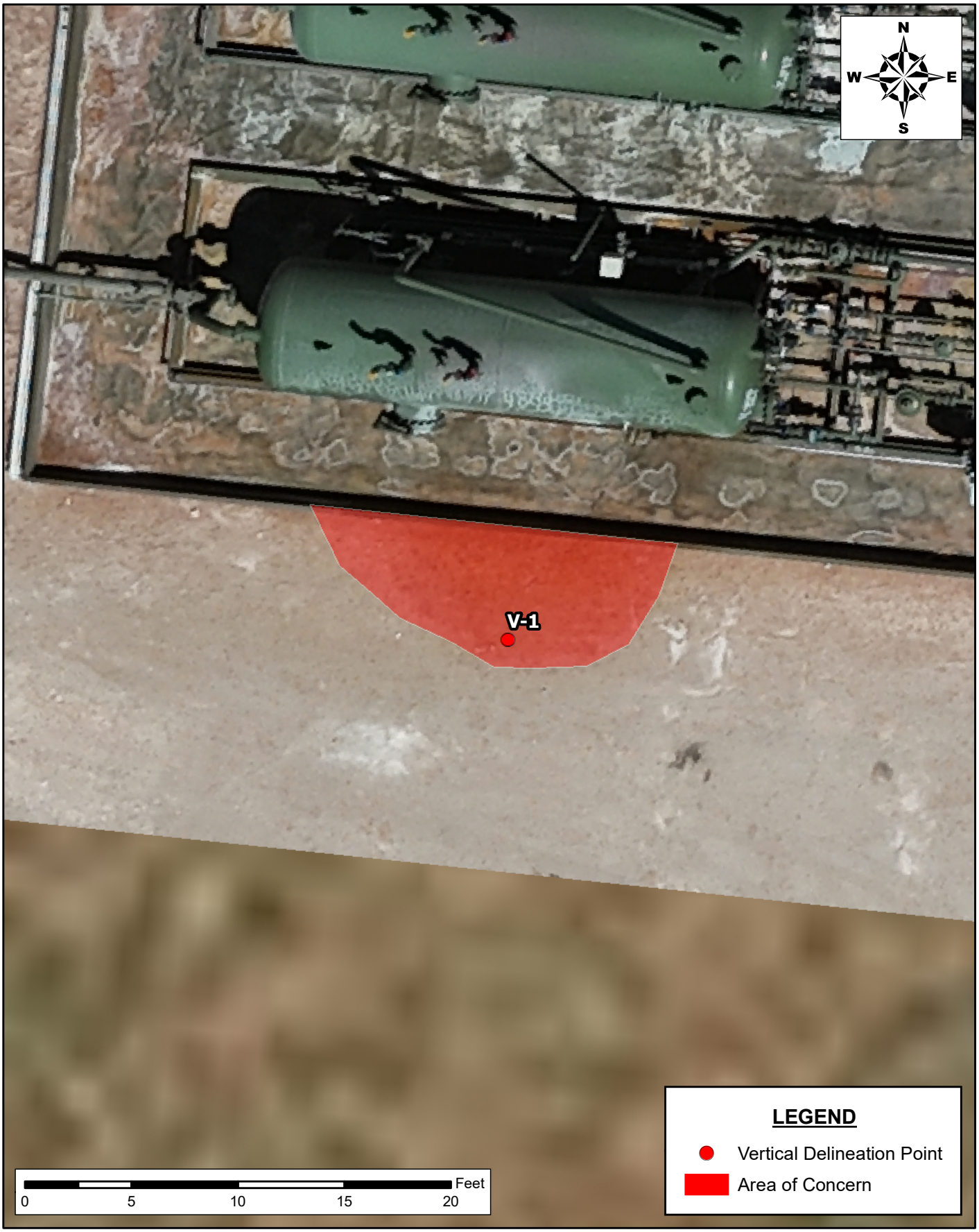
FIGURE 2
SHEET NUMBER:
1 of 1



INITIAL ASSESSMENT MAP
SITE CHARACTERIZATION AND REMEDIATION
DEFERRAL REQUEST
VAN DOO DAH 33 CTB 2
DEVON ENERGY PRODUCTION COMPANY
LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 11/11/2024	PROJECT #: 249029

New Tech Global Environmental, LLC
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FIGURE 3
SHEET NUMBER:
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CONFIRMATION SAMPLING MAP
SITE CHARACTERIZATION AND REMEDIATION
DEFERRAL REQUEST
VAN DOO DAH 33 CTB 2
DEVON ENERGY PRODUCTION COMPANY
LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 11/11/2024	PROJECT #: 249029

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FIGURE 4
SHEET NUMBER:
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DEFERRAL MAP
SITE CHARACTERIZATION AND REMEDIATION
DEFERRAL REQUEST
VAN DOO DAH 33 CTB 2
DEVON ENERGY PRODUCTION COMPANY
LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 01/16/2025	PROJECT #: 249029

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SECONDARY CONTAINMENT MAP
SITE CHARACTERIZATION AND REMEDIATION
DEFERRAL REQUEST
VAN DOO DAH 33 CTB 2
DEVON ENERGY PRODUCTION COMPANY
LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 01/16/2025	PROJECT #: 249029

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FIGURE 6
SHEET NUMBER:
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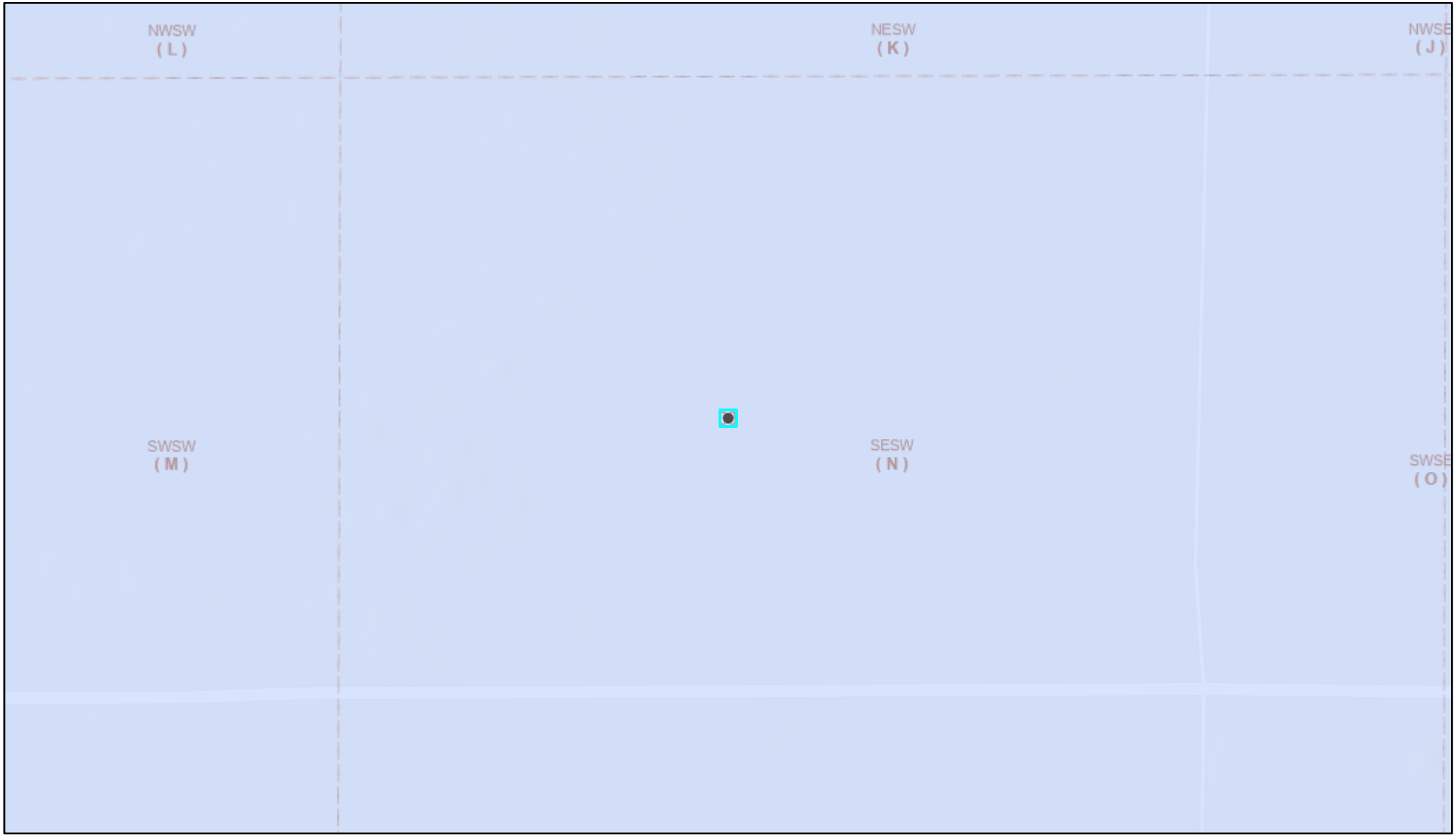
SITE CHARACTERIZATION DOCUMENTATION

OCD Well Locations



8/13/2024, 11:03:28 AM

Karst Occurrence Potential

Low

PLSS Second Division

PLSS First Division

1:2,257

0 0.01 0.03 0.06 mi

0 0.03 0.05 0.1 km

BLM, OCD, New Mexico Tech, Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Oil Conservation Division of the New Mexico Energy,

New Mexico Oil Conservation Division

OSE POD Location Map

8/13/2024, 11:01:56 AM

Override 1

OSE District Boundary

Water Right Regulations

Closure Area

Artesian Planning Area

New Mexico State Trust Lands

Both Estates

NHD Flowlines

Stream River

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Online web user

This is an unofficial map from the OSE's online application.

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 03829 POD1	SW	SW	NW	06	26S	32E	620628.5	3549186.3	

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

Driller License:	1607	**Driller Company:**	DURAN DRILLING		
Driller Name:	DURAN, LUIS (TONY)				
Drill Start Date:	2015-02-11	**Drill Finish Date:**	2015-02-12	**Plug Date:**	
Log File Date:	2015-02-23	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	58
Casing Size:	7.00	**Depth Well:**	646	**Depth Water:**	350

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04209 POD1	NE	SW	SW	06	26S	32E	620902.7	3548619.8	

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

Driller License:	1706	**Driller Company:**	ELITE DRILLERS CORPORATION		
Driller Name:	BRYCE WALLACE				
Drill Start Date:	2018-04-28	**Drill Finish Date:**	2018-05-01	**Plug Date:**	
Log File Date:	2018-05-21	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	25
Casing Size:	6.00	**Depth Well:**	360	**Depth Water:**	155

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04209 POD2	NE	SW	SW	06	26S	32E	620817.8	3548657.3	

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

Driller License:	1706	**Driller Company:**	ELITE DRILLERS CORPORATION		
Driller Name:	BRYCE WALLACE				
Drill Start Date:	2018-05-07	**Drill Finish Date:**	2018-05-09	**Plug Date:**	
Log File Date:	2018-05-21	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	5
Casing Size:	6.00	**Depth Well:**	340	**Depth Water:**	155

National Flood Hazard Layer FIRMette

FEMA

103°41'17"W 32°5'11"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°40'40"W 32°4'40"N

Basemap Imagery Source: USGS National Map 2023

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 / 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
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 8/13/2024 at 1:04 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.

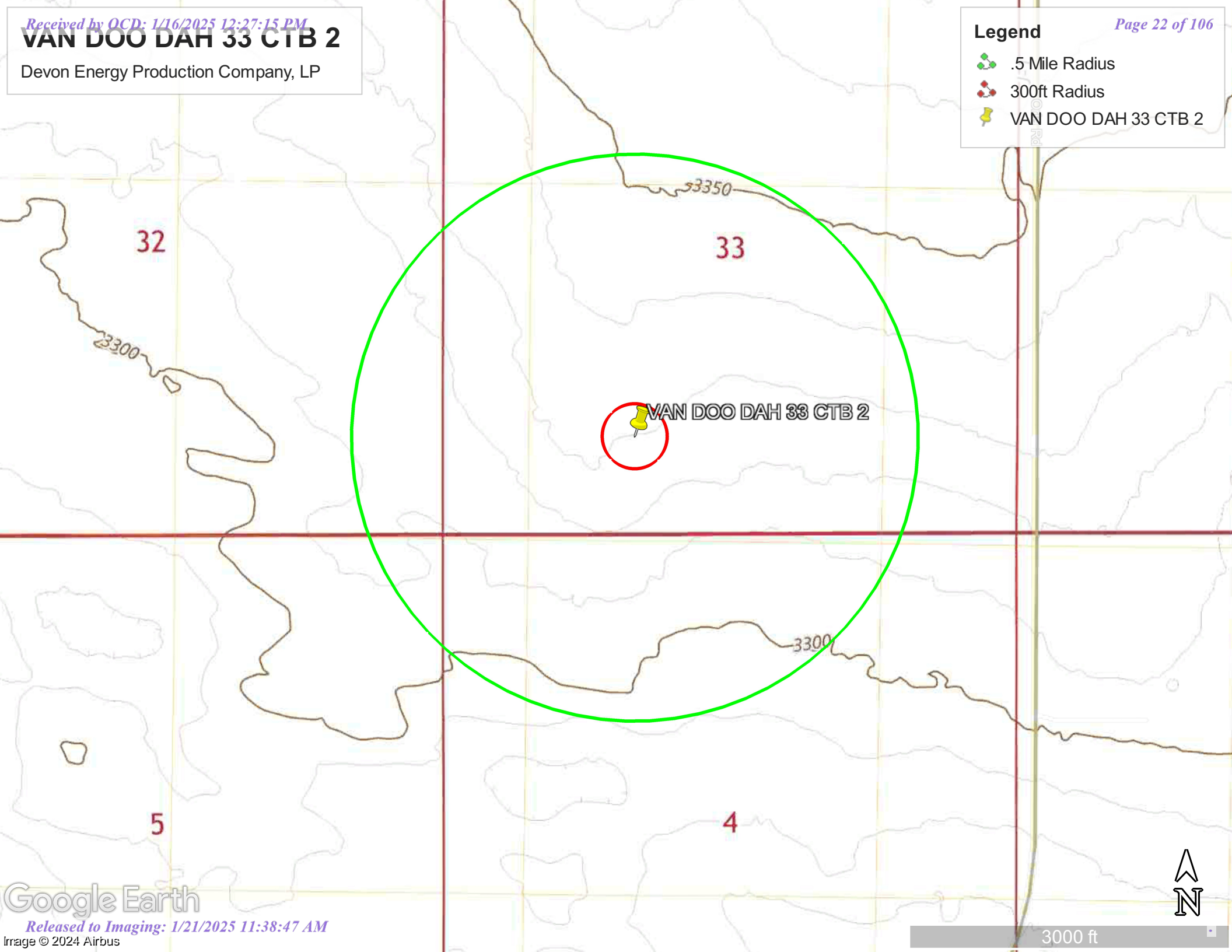
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

VAN DOO DAH 33 CTB 2

Devon Energy Production Company, LP

Legend

- .5 Mile Radius
- 300ft Radius
- VAN DOO DAH 33 CTB 2



Google Earth

Help Using this Tool

Legend | Basemap | Query | Source

Legend

All Layers On/Off

All Layer Transparency

NM Wetlands Mapping and Classification

NM Wetlands Mapping and Classification

Mapping Status
- In Progress (Only NWI)
- Not Mapped

Riparian Habitat

Hydrogeomorphic Mapping (HGM) Linears
- Riverine

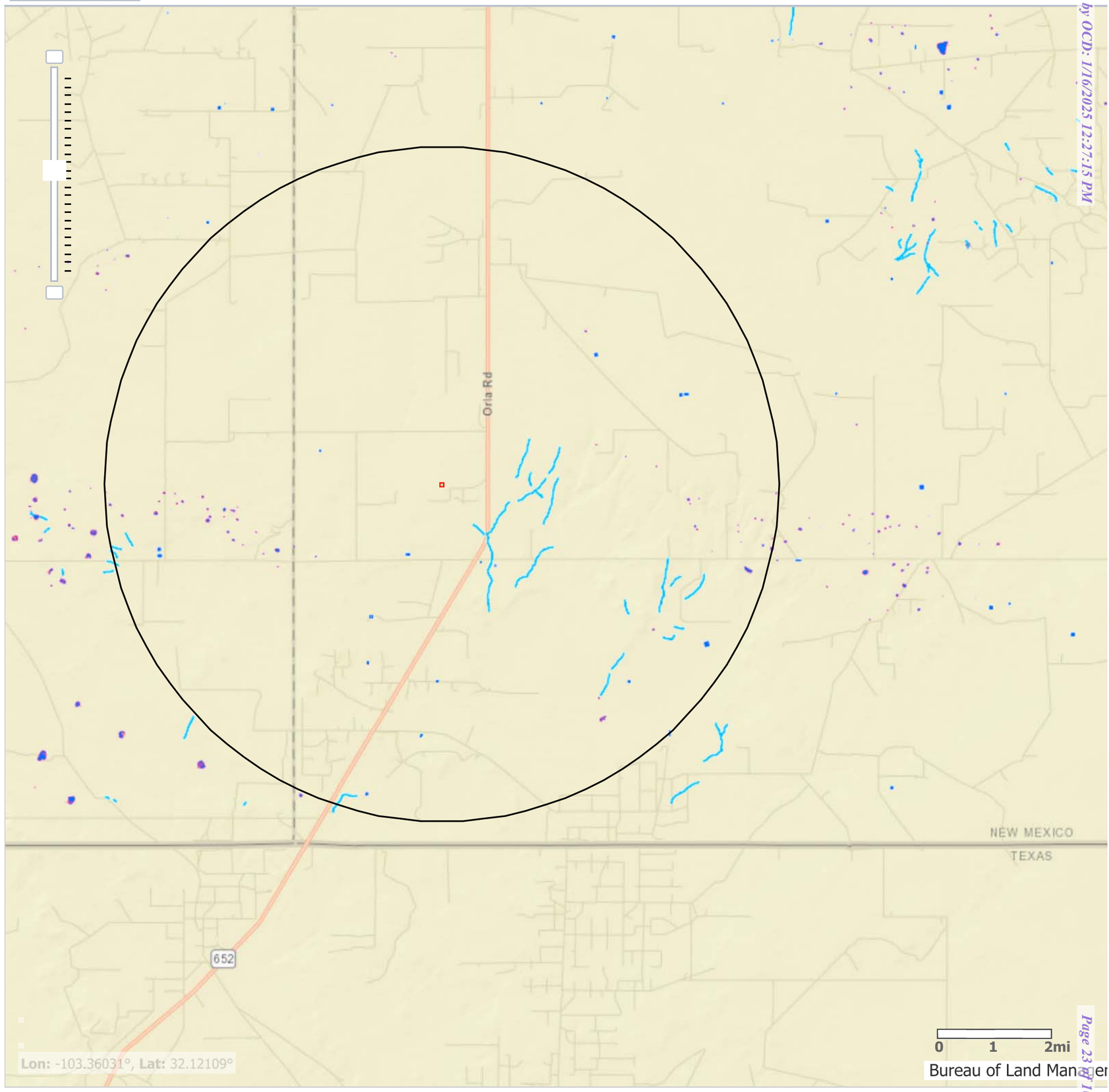
Hydrogeomorphic Mapping (HGM) Polygons
- Depressional
- Flats
- Lacustrine Fringe
- Riverine
- Slope

Landscape Position and Water Body (LLWW) Linears
- Lentic (LE)
- Lotic RIver (LR)
- Lotic Stream (LS)
- Pond (PD)
- River (RV)
- Stream (ST)
- Terrene (TE)

Landscape Position and Water Body (LLWW) Polygons
- Lentic (LE)
- Lake (LK)
- Lotic River (LR)
- Lotic Stream (LS)
- Pond (PD)
- River (RV)
- Stream (ST)
- Terrene (TE)

Landform (LLWW)
- Basin
- Flat
- Floodplain

1:144,448



U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands

September 4, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 1

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
Aerial View of Liner (Captured August 9, 2024)

Photograph No. 2

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
View of Liner

Photograph No. 3

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
Area of Concern

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
View of Open Excavation

Photograph No. 5

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
View of Open Excavation

Photograph No. 6

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
View of Deferral Sampling

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 7

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

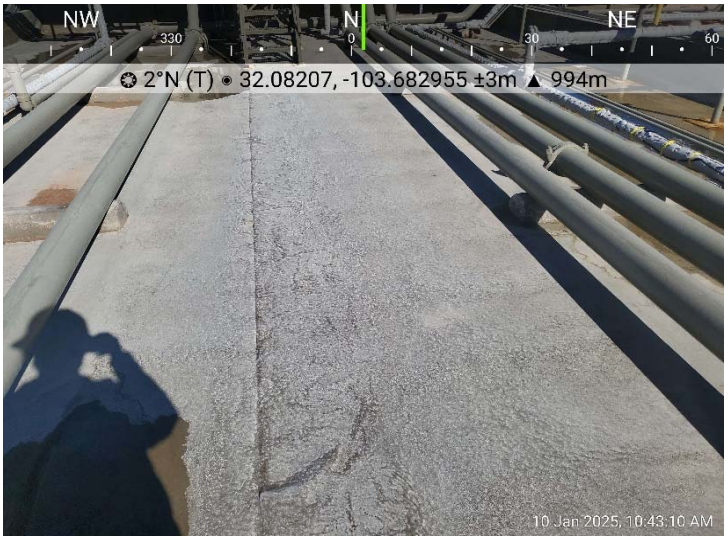
Description:
View of Liner

Photograph No. 8

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
View of Liner



Photograph No. 9

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
View of Liner

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 10

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
View of Liner

Photograph No. 11

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
View of deferral sampling on east side of secondary containment unit

Photograph No. 12

Facility: Van Doo Dah 33 CTB 2

County: Lea County, New Mexico

Description:
View of deferral sampling on west side of secondary containment unit

NMOCD CORRESPONDENCE

Kenny Han

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, November 18, 2024 3:08 PM
To: Ethan Sessums
Cc: Raley, Jim; Kenny Han; Bratcher, Michael, EMNRD
Subject: FW: [EXTERNAL] RE: NAPP2422029229 VAN DOO DAH 33 CTB 2
Attachments: VDD D.pdf

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Ethan,

Thanks for providing more explanation. Yes, if you collect delineation samples to the east and west of the tank battery as you have provided in the pdf above and explain the manner in which DS-1 was collected within your remedial summary, then part 3 of the rejection will be addressed, should the lined containment prove to have integrity.

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ethan Sessums <ESessums@ntglobal.com>
Sent: Monday, November 18, 2024 2:52 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Raley, Jim <Jim.Raley@dvn.com>; Kenny Han <KHan@ntglobal.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RE: NAPP2422029229 VAN DOO DAH 33 CTB 2

Shelly yes, it is horizontally extended. I understand the confusion regarding this, we are revising the lab data table and the figure to show that the samples were taken north of the sidewall in question via hand augering through the existing hot side wall and sent in horizontally to 3ft under the containment not vertically. All of the additional photos and liner portion are in-hand but were not included for some reason. We will collect two more deferral samples on the east and west side of the containment to prove that the spray didn't migrate underneath the containment area. We were thinking that the other sidewalls would cover the additional horizontal extent of the deferral, but we understand the concern.

I have attached a map with 2 additional deferral samples included. Let us know if this is what you are wanting. As soon as they are collected the revised report will be submitted.

Thanks,

Ethan Sessums
Jr. Field Ops Manager | **NTG Environmental**
M:432-701-2159 P:254-266-5456 |esessums@ntglobal.com
209 West McKay St. Carlsbad NM, 88220

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, November 18, 2024 2:31 PM
To: Ethan Sessums <ESessums@ntglobal.com>
Cc: Raley, Jim <Jim.Raley@dvn.com>; Kenny Han <KHan@ntglobal.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RE: NAPP2422029229 VAN DOO DAH 33 CTB 2

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Hi Ethan,

The liner inspection would need to be completed first as it may be deemed to be compromised and additional delineation samples will need to be collected. All the information you have provided to me regarding the collection of DS-1 should have been provided in your report, including the photo and the distance the hand auger was inserted into the soil beneath the tank battery at each 1-foot interval. Additionally, after seeing the photo sent on 11/18/2024, the depths of DS-1 will need to be clarified in the next report. Were these samples collected vertically at 1', 2', and 3' or were they horizontal samples collected at 3' bgs at 1', 2', and 3' horizontally from the existing excavation wall? As it stands now, the provided data does not confirm that the deferral area is the size illustrated in Figure 5. Horizontal delineation needs achieved to the north, east and west of SW-1, DS-1. If you would like to propose horizontal delineation sampling points in a sampling plan for prior approval, please send that plan to me via email at your earliest convenience.

Sincerely,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ethan Sessums <ESessums@ntglobal.com>
Sent: Monday, November 18, 2024 11:48 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Raley, Jim <Jim.Raley@dvn.com>; Kenny Han <KHan@ntglobal.com>
Subject: RE: [EXTERNAL] RE: NAPP2422029229 VAN DOO DAH 33 CTB 2

For reference Shelly this deferral sample was collected in this manner. We will revise the figure so that this is more apparent.

Please let us know if this is sufficient for the deferral sample otherwise, we will make sure to revise as requested prior to resubmission.

Ethan Sessums
Jr. Field Ops Manager | **NTG Environmental**
M:432-701-2159 P:254-266-5456 |esessums@ntglobal.com
209 West McKay St. Carlsbad NM, 88220

From: Ethan Sessums
Sent: Monday, November 18, 2024 10:37 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Raley, Jim <Jim.Raley@dvn.com>; Kenny Han <KHan@ntglobal.com>
Subject: RE: [EXTERNAL] RE: NAPP2422029229 VAN DOO DAH 33 CTB 2

Shelly my apologies I am not sure why the liner inspection portion of this project was not included. The deferral sample was collected horizontally from the sidewall of the excavation with the hand auger it went in 1ft intervals to 3ft underneath the containment area are you asking for a sample on the north side of the secondary containment or is that clarification sufficient?

Ethan Sessums
Jr. Field Ops Manager | **NTG Environmental**
M:432-701-2159 P:254-266-5456 |esessums@ntglobal.com
209 West McKay St. Carlsbad NM, 88220

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, September 17, 2024 10:30 AM
To: Ethan Sessums <ESessums@ntglobal.com>
Subject: RE: [EXTERNAL] RE: NAPP2422029229 VAN DOO DAH 33 CTB 2

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Ethan,

Thanks for replying so quickly! Much appreciated.

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ethan Sessums <ESessums@ntglobal.com>
Sent: Tuesday, September 17, 2024 10:22 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXTERNAL] RE: NAPP2422029229 VAN DOO DAH 33 CTB 2

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

A small amount of fluid escaped the containment via spray it will be remediated to the appropriate standard as outlined. Unfortunately, at the time of our initial site visit the liner hadn't been pressure washed for an official liner inspection, but a preliminary survey was completed for the time being and it was noted that the liner was newer and in great condition. An official liner inspection will be completed near term to determine if additional work is required, the NMOCD will be notified via submission prior to the inspection, results will be included in the associated closure report upon final sampling of the "out of containment" area.

Ethan Sessums
Jr. Field Ops Manager | **NTG Environmental**
M:432-701-2159 P:254-266-5456 |esessums@ntglobal.com
209 West McKay St. Carlsbad NM, 88220

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From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, September 17, 2024 10:16 AM
To: Ethan Sessums <ESessums@ntglobal.com>
Subject: NAPP2422029229 VAN DOO DAH 33 CTB 2

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Good morning Ethan,

I am reviewing the remediation plan submitted for NAPP2422029229 VAN DOO DAH 33 CTB 2 and have a few questions for you. It says 200 bbl were released and recovered. It looks like they were released into lined containment. Has a liner integrity inspection been performed? How did the fluids escape containment? If you could answer these when you have the time it would be greatly appreciated.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

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LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

CARDINAL Laboratories

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

August 26, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: VAN DOO DAH

Enclosed are the results of analyses for samples received by the laboratory on 08/21/24 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accreditated 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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	08/21/2024	Sampling Date:	08/21/2024
Reported:	08/26/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH	Sampling Condition:	Cool & Intact
Project Number:	248867	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

Sample ID: V - 1 0 - .5 (H245089-01)

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	08/22/2024	ND	2.05	103	2.00	0.670	
Toluene*	<0.050	0.050	08/22/2024	ND	2.11	105	2.00	2.28	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.62	110	6.00	2.84	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6960**	16.0	08/22/2024	ND	432	108	400	3.64	

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	08/22/2024	ND	195	97.7	200	17.5	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	205	102	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *85.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	08/21/2024	Sampling Date:	08/21/2024
Reported:	08/26/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH	Sampling Condition:	Cool & Intact
Project Number:	248867	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

Sample ID: V - 1 1 - 1.5 (H245089-02)

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	08/22/2024	ND	2.05	103	2.00	0.670	
Toluene*	<0.050	0.050	08/22/2024	ND	2.11	105	2.00	2.28	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.62	110	6.00	2.84	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1840**	16.0	08/22/2024	ND	432	108	400	3.64	

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	08/22/2024	ND	195	97.7	200	17.5	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	205	102	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *92.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	08/21/2024	Sampling Date:	08/21/2024
Reported:	08/26/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH	Sampling Condition:	Cool & Intact
Project Number:	248867	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

Sample ID: V - 1 2 - 2.5 (H245089-03)

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	08/22/2024	ND	2.05	103	2.00	0.670	
Toluene*	<0.050	0.050	08/22/2024	ND	2.11	105	2.00	2.28	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.62	110	6.00	2.84	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1230**	16.0	08/22/2024	ND	432	108	400	3.64	

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	08/22/2024	ND	195	97.7	200	17.5	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	205	102	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *84.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	08/21/2024	Sampling Date:	08/21/2024
Reported:	08/26/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH	Sampling Condition:	Cool & Intact
Project Number:	248867	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

Sample ID: H - 1 0 - .5 (H245089-04)

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	08/22/2024	ND	2.05	103	2.00	0.670	
Toluene*	<0.050	0.050	08/22/2024	ND	2.11	105	2.00	2.28	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.62	110	6.00	2.84	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	08/22/2024	ND	432	108	400	3.64	

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	08/22/2024	ND	195	97.7	200	17.5	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	205	102	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *55.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *61.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	08/21/2024	Sampling Date:	08/21/2024
Reported:	08/26/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH	Sampling Condition:	Cool & Intact
Project Number:	248867	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

Sample ID: H - 2 0 - .5 (H245089-05)

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	08/22/2024	ND	2.05	103	2.00	0.670	
Toluene*	<0.050	0.050	08/22/2024	ND	2.11	105	2.00	2.28	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.62	110	6.00	2.84	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/22/2024	ND	432	108	400	3.64	

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	08/22/2024	ND	195	97.7	200	17.5	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	205	102	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *56.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *62.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	08/21/2024	Sampling Date:	08/21/2024
Reported:	08/26/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH	Sampling Condition:	Cool & Intact
Project Number:	248867	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

Sample ID: H - 3 0 - .5 (H245089-06)

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	08/22/2024	ND	2.05	103	2.00	0.670	
Toluene*	<0.050	0.050	08/22/2024	ND	2.11	105	2.00	2.28	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.62	110	6.00	2.84	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	08/22/2024	ND	432	108	400	3.64	

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	08/22/2024	ND	195	97.7	200	17.5	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	205	102	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *86.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGE
Project Manager:	Ethan Sessums
Address:	209 W McKay
City:	Carlsbad State: NM Zip: 88220
Phone #:	254-266-5456 Fax #:
Project #:	248867 Project Owner: Devon
Project Name:	Van Doo Dah
Project Location:	Eddy County
Sampler Name:	Tyler Kimball

BILL TO

P.O. #:	21369207
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	Chlorides
H245089-1	V-1 0-.5	G	1			X					✓		8-21	9:30			
2	V-1 1-1.5																
3	V-1 2-2.5																
4	H-1 0-.5																
5	H-2 0-.5																
6	H-3 0-.5																

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 8-21-24	Received By:	
	Time: 12:10		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C -0.9C
Corrected Temp. °C -1.5C -0.6C

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) AP

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

September 03, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: VAN DOO DAH

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 13:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	08/27/2024	Sampling Date:	08/27/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH	Sampling Condition:	Cool & Intact
Project Number:	249029	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA COUNTY		

Sample ID: V - 1 3-3.5' (H245217-01)

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	08/29/2024	ND	2.11	106	2.00	4.12	
Toluene*	<0.050	0.050	08/29/2024	ND	1.98	99.1	2.00	4.59	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.01	101	2.00	4.46	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	5.98	99.6	6.00	4.36	
Total BTEX	<0.300	0.300	08/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/29/2024	ND	416	104	400	3.77	

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	08/29/2024	ND	195	97.5	200	7.40	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	189	94.7	200	4.79	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane *87.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	08/27/2024	Sampling Date:	08/27/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH	Sampling Condition:	Cool & Intact
Project Number:	249029	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA COUNTY		

Sample ID: V - 1 4-4.5' (H245217-02)

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	08/29/2024	ND	2.11	106	2.00	4.12	
Toluene*	<0.050	0.050	08/29/2024	ND	1.98	99.1	2.00	4.59	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.01	101	2.00	4.46	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	5.98	99.6	6.00	4.36	
Total BTEX	<0.300	0.300	08/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/29/2024	ND	416	104	400	3.77	

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	08/29/2024	ND	195	97.5	200	7.40	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	189	94.7	200	4.79	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane *82.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	08/27/2024	Sampling Date:	08/27/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH	Sampling Condition:	Cool & Intact
Project Number:	249029	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA COUNTY		

Sample ID: V - 1 5-5.5' (H245217-03)

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	08/29/2024	ND	2.11	106	2.00	4.12	
Toluene*	<0.050	0.050	08/29/2024	ND	1.98	99.1	2.00	4.59	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.01	101	2.00	4.46	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	5.98	99.6	6.00	4.36	
Total BTEX	<0.300	0.300	08/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/29/2024	ND	416	104	400	3.77	

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	08/29/2024	ND	195	97.5	200	7.40	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	189	94.7	200	4.79	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane *97.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGE	**BILL TO** P.O. #:	21369207
Project Manager:	Ethan Sessums	Company:	
Address:	209 W Mcllay	Attn:	
City:	Carlsbad	State: NM Zip:	88220
Phone #:	2542665456	Fax #:	
Project #:	~~248867~~ * 9029	Project Owner:	Devon
Project Name:	Van Doo Dah	Project Location:	Lea County
Sampler Name:	Tyler Kimball		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	ANALYSIS REQUEST: TPH	Chlorides	BTEX
H245217																	
1	V-1 3-3.5	G	1			X							8-27	10:00	1	1	1
2	V-1 4-4.5	1	1			1								10:05			
3	V-1 5-5.5	1	1			1							1	10:10			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 8-27-24	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1:43		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: * Customer requested Proj. # changes. JG 8/27/24
	Time:		

Delivered By: (Circle One)	Observed Temp. °C = 0.7	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: ☑ Standard ☐ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C = 1.3			Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.5 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

September 27, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: VAN DOO DAH 33 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 09/25/24 12:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accreditated 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,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/25/2024	Sampling Date:	09/25/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH 33 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	249029	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA COUNTY, NM		

Sample ID: CS - 1 (H245818-01)

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	09/26/2024	ND	2.06	103	2.00	1.54	
Toluene*	<0.050	0.050	09/26/2024	ND	2.15	108	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.29	115	2.00	3.76	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.93	116	6.00	4.47	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	09/26/2024	ND	432	108	400	3.77	

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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/25/2024	Sampling Date:	09/25/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH 33 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	249029	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA COUNTY, NM		

Sample ID: SW - 1 (H245818-02)

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	09/26/2024	ND	2.06	103	2.00	1.54	
Toluene*	<0.050	0.050	09/26/2024	ND	2.15	108	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.29	115	2.00	3.76	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.93	116	6.00	4.47	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**816**	16.0	09/26/2024	ND	432	108	400	3.77	

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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/25/2024	Sampling Date:	09/25/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH 33 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	249029	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA COUNTY, NM		

Sample ID: SW - 2 (H245818-03)

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	09/26/2024	ND	2.06	103	2.00	1.54	
Toluene*	<0.050	0.050	09/26/2024	ND	2.15	108	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.29	115	2.00	3.76	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.93	116	6.00	4.47	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	09/26/2024	ND	432	108	400	3.77	

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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/25/2024	Sampling Date:	09/25/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH 33 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	249029	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA COUNTY, NM		

Sample ID: SW - 3 (H245818-04)

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	09/26/2024	ND	2.06	103	2.00	1.54	
Toluene*	<0.050	0.050	09/26/2024	ND	2.15	108	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.29	115	2.00	3.76	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.93	116	6.00	4.47	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	09/26/2024	ND	432	108	400	3.77	

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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane *112 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/25/2024	Sampling Date:	09/25/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	VAN DOO DAH 33 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	249029	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA COUNTY, NM		

Sample ID: SW - 4 (H245818-05)

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	09/26/2024	ND	2.06	103	2.00	1.54	
Toluene*	<0.050	0.050	09/26/2024	ND	2.15	108	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.29	115	2.00	3.76	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.93	116	6.00	4.47	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	09/26/2024	ND	432	108	400	3.77	

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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		BILL TO	
Company Name:	NTGE	P.O. #:	21369207
Project Manager:	Ethan Sessums	Company:	Devon
Address:	209. W. Mckay St	Attn:	Dale Woodall
City:	Carlsbad State: NM Zip: 88220	Address:	
Phone #:	575 - 988-8856 Fax #:	City:	
Project #:	249029 Project Owner: Devon	State:	Zip:
Project Name:	Van Doo Pah 33 CTB 2	Phone #:	
Project Location:	Lea Co, NM	Fax #:	
Sampler Name:	Kenny Han		

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST		
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	BTEX	TPH	Chlorides
H245818																	
1	CS-1	C	1			X							9/25				
2	SW-1																
3	SW-2																
4	SW-3																
5	SW-4																

Relinquished By:	Date: 9/25/24	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1248		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 1.0	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.4	☐ Yes ☐ Yes ☐ No ☐ No	SR	Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

48hr

FORM-006 R 3.5 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

October 30, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: VAN DOO DAH 33 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 10/04/24 13:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: VAN DOO DAH 33 CTB 2 Project Number: 249029 Project Manager: ETHAN SESSUMS Fax To:	Reported: 30-Oct-24 13:12

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DS - 1 1'	H246057-01	Soil	04-Oct-24 00:00	04-Oct-24 13:03
DS - 1 2'	H246057-02	Soil	04-Oct-24 00:00	04-Oct-24 13:03
DS - 1 3'	H246057-03	Soil	04-Oct-24 00:00	04-Oct-24 13:03

10/30/24 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 10/10/24.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: VAN DOO DAH 33 CTB 2 Project Number: 249029 Project Manager: ETHAN SESSUMS Fax To:	Reported: 30-Oct-24 13:12

DS - 1 1'

H246057-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1570**		16.0	mg/kg	4	4100802	KV	08-Oct-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*4100436*	JH	*07-Oct-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4100442	MS	07-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4100442	MS	07-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4100442	MS	07-Oct-24	8015B	
Surrogate: 1-Chlorooctane			*131 %*	*48.2-134*		*4100442*	MS	*07-Oct-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*118 %*	*49.1-148*		*4100442*	MS	*07-Oct-24*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: VAN DOO DAH 33 CTB 2 Project Number: 249029 Project Manager: ETHAN SESSUMS Fax To:	Reported: 30-Oct-24 13:12

DS - 1 2'

H246057-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**496**		16.0	mg/kg	4	4100802	KV	08-Oct-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*71.5-134*		*4100436*	JH	*07-Oct-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4100442	MS	07-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4100442	MS	07-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4100442	MS	07-Oct-24	8015B	
Surrogate: 1-Chlorooctane			*130 %*	*48.2-134*		*4100442*	MS	*07-Oct-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*49.1-148*		*4100442*	MS	*07-Oct-24*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: VAN DOO DAH 33 CTB 2 Project Number: 249029 Project Manager: ETHAN SESSUMS Fax To:	Reported: 30-Oct-24 13:12

DS - 1 3'

H246057-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	4100802	KV	08-Oct-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4100436	JH	07-Oct-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*4100436*	JH	*07-Oct-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4100442	MS	07-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4100442	MS	07-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4100442	MS	07-Oct-24	8015B	
Surrogate: 1-Chlorooctane			*122 %*	*48.2-134*		*4100442*	MS	*07-Oct-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*110 %*	*49.1-148*		*4100442*	MS	*07-Oct-24*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: VAN DOO DAH 33 CTB 2 Project Number: 249029 Project Manager: ETHAN SESSUMS Fax To:	Reported: 30-Oct-24 13:12

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4100802 - 1:4 DI Water										
Blank (4100802-BLK1)				Prepared & Analyzed: 08-Oct-24						
Chloride	ND	16.0	mg/kg							
LCS (4100802-BS1)				Prepared & Analyzed: 08-Oct-24						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (4100802-BSD1)				Prepared & Analyzed: 08-Oct-24						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: VAN DOO DAH 33 CTB 2 Project Number: 249029 Project Manager: ETHAN SESSUMS Fax To:	Reported: 30-Oct-24 13:12

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4100436 - Volatiles										
Blank (4100436-BLK1)				Prepared: 04-Oct-24 Analyzed: 07-Oct-24						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0522*		mg/kg	*0.0500*		*104*	*71.5-134*			
LCS (4100436-BS1)				Prepared: 04-Oct-24 Analyzed: 07-Oct-24						
Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130			
Toluene	2.04	0.050	mg/kg	2.00		102	86-128			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128			
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	89-129			
o-Xylene	2.01	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.13	0.150	mg/kg	6.00		102	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0519*		mg/kg	*0.0500*		*104*	*71.5-134*			
LCS Dup (4100436-BSD1)				Prepared: 04-Oct-24 Analyzed: 07-Oct-24						
Benzene	1.95	0.050	mg/kg	2.00		97.5	82.8-130	3.32	15.8	
Toluene	1.98	0.050	mg/kg	2.00		99.1	86-128	3.16	15.9	
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	85.9-128	2.56	16	
m,p-Xylene	4.02	0.100	mg/kg	4.00		100	89-129	2.41	16.2	
o-Xylene	1.96	0.050	mg/kg	2.00		97.9	86.1-125	2.64	16.7	
Total Xylenes	5.98	0.150	mg/kg	6.00		99.6	88.2-128	2.49	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0523*		mg/kg	*0.0500*		*105*	*71.5-134*			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: VAN DOO DAH 33 CTB 2 Project Number: 249029 Project Manager: ETHAN SESSUMS Fax To:	Reported: 30-Oct-24 13:12

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4100442 - General Prep - Organics										
Blank (4100442-BLK1)				Prepared: 04-Oct-24 Analyzed: 07-Oct-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*49.0*		mg/kg	*50.0*		*98.0*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*42.7*		mg/kg	*50.0*		*85.5*	*49.1-148*			
LCS (4100442-BS1)				Prepared: 04-Oct-24 Analyzed: 07-Oct-24						
GRO C6-C10	189	10.0	mg/kg	200		94.5	66.4-123			
DRO >C10-C28	184	10.0	mg/kg	200		92.1	66.5-118			
Total TPH C6-C28	373	10.0	mg/kg	400		93.3	77.6-123			
Surrogate: 1-Chlorooctane	*54.9*		mg/kg	*50.0*		*110*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.8*		mg/kg	*50.0*		*97.7*	*49.1-148*			
LCS Dup (4100442-BSD1)				Prepared: 04-Oct-24 Analyzed: 07-Oct-24						
GRO C6-C10	188	10.0	mg/kg	200		94.2	66.4-123	0.336	17.7	
DRO >C10-C28	184	10.0	mg/kg	200		92.1	66.5-118	0.0505	21	
Total TPH C6-C28	373	10.0	mg/kg	400		93.2	77.6-123	0.145	18.5	
Surrogate: 1-Chlorooctane	*55.0*		mg/kg	*50.0*		*110*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*49.3*		mg/kg	*50.0*		*98.7*	*49.1-148*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		BILL TO	
Company Name:	NTGE	P.O. #:	213 69207
Project Manager:	Ethan Sessums	Company:	Devon
Address:	209 West McKay St	Attn:	
City:	Carlsbad State: NM Zip: 88220	Address:	
Phone #:	Fax #:	City:	
Project #:	249029 Project Owner: Devon	State: Zip:	
Project Name:	Van Doo Dah 33 CTB 2	Phone #:	
Project Location:	Lea County	Fax #:	
Sampler Name:	Clayton Tomas		

ANALYSIS REQUEST: BTEX, TPH, Chloride

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME
H246057		*													
1	DS-1	1'	C	1			X							10/4	
2	DS-B1	2'													
3	DS-B1	3'													

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 10/4	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 13:03	SRodriguez	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: * Customer requested ID changes. T.O. 10/28/24
	Time:		
Delivered By: (Circle One)	Observed Temp. °C 0.8	Sample Condition Cool Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.2	☐ Yes ☐ Yes ☐ No ☐ No	

Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

Thermometer ID #140
Correction Factor -0.6°C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.3 08/05/24

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gordon Banks
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 1/15/2025 10:38:42 AM

JOB DESCRIPTION

VAN DOO DAH 33 CTB 2
249029

JOB NUMBER

890-7562-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

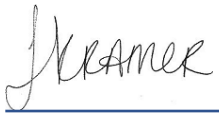
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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1/15/2025 10:38:42 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Laboratory Job ID: 890-7562-1
SDG: 249029

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, 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: NT Global
Project: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1

Job ID: 890-7562-1 Eurofins Carlsbad

Job Narrative
890-7562-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/10/2025 1:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: DS-2 (890-7562-1), DS-2 (890-7562-2), DS-2 (890-7562-4), DS-3 (890-7562-5), DS-3 (890-7562-6), DS-3 (890-7562-7) and DS-3 (890-7562-8). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-2

Lab Sample ID: 890-7562-1
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/13/25 07:59	01/13/25 13:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/13/25 07:59	01/13/25 13:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/13/25 07:59	01/13/25 13:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/13/25 07:59	01/13/25 13:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/13/25 07:59	01/13/25 13:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/13/25 07:59	01/13/25 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*01/13/25 07:59*	*01/13/25 13:14*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/13/25 07:59*	*01/13/25 13:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/13/25 13:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			01/15/25 02:58	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		01/10/25 09:40	01/15/25 02:58	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/10/25 09:40	01/15/25 02:58	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/10/25 09:40	01/15/25 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*01/10/25 09:40*	*01/15/25 02:58*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*01/10/25 09:40*	*01/15/25 02:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**151**		10.0		mg/Kg			01/14/25 18:51	1

Client Sample ID: DS-2

Lab Sample ID: 890-7562-2
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 13:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 13:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 13:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/13/25 07:59	01/13/25 13:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 13:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/13/25 07:59	01/13/25 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*01/13/25 07:59*	*01/13/25 13:35*	*1*

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Client Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-2

Lab Sample ID: 890-7562-2
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/13/25 07:59*	*01/13/25 13:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/13/25 13:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/15/25 03:12	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/10/25 09:40	01/15/25 03:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/10/25 09:40	01/15/25 03:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/10/25 09:40	01/15/25 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*01/10/25 09:40*	*01/15/25 03:12*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*01/10/25 09:40*	*01/15/25 03:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		9.92		mg/Kg			01/14/25 19:13	1

Client Sample ID: DS-2

Lab Sample ID: 890-7562-3
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 2-2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/13/25 07:59	01/13/25 13:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/13/25 07:59	01/13/25 13:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/13/25 07:59	01/13/25 13:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/13/25 07:59	01/13/25 13:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/13/25 07:59	01/13/25 13:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/13/25 07:59	01/13/25 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/13/25 07:59*	*01/13/25 13:55*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/13/25 07:59*	*01/13/25 13:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/13/25 13:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/15/25 03:41	1

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Client Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-2

Lab Sample ID: 890-7562-3
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 2-2.5

Method: SW846 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		01/10/25 09:40	01/15/25 03:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/10/25 09:40	01/15/25 03:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/10/25 09:40	01/15/25 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*01/10/25 09:40*	*01/15/25 03:41*	*1*
o-Terphenyl	*71*		*70 - 130*	*01/10/25 09:40*	*01/15/25 03:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		10.0		mg/Kg			01/14/25 19:20	1

Client Sample ID: DS-2

Lab Sample ID: 890-7562-4
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 3-3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/13/25 07:59	01/13/25 14:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/13/25 07:59	01/13/25 14:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/13/25 07:59	01/13/25 14:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/13/25 07:59	01/13/25 14:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/13/25 07:59	01/13/25 14:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/13/25 07:59	01/13/25 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*01/13/25 07:59*	*01/13/25 14:15*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/13/25 07:59*	*01/13/25 14:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/13/25 14:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/15/25 03:55	1

Method: SW846 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		01/10/25 09:40	01/15/25 03:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/10/25 09:40	01/15/25 03:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/10/25 09:40	01/15/25 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*01/10/25 09:40*	*01/15/25 03:55*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*01/10/25 09:40*	*01/15/25 03:55*	*1*

Client Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-2

Lab Sample ID: 890-7562-4
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 3-3.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		9.94		mg/Kg			01/14/25 19:27	1

Client Sample ID: DS-3

Lab Sample ID: 890-7562-5
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/13/25 07:59	01/13/25 15:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/13/25 07:59	01/13/25 15:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/13/25 07:59	01/13/25 15:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/13/25 07:59	01/13/25 15:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/13/25 07:59	01/13/25 15:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/13/25 07:59	01/13/25 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/13/25 07:59*	*01/13/25 15:38*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/13/25 07:59*	*01/13/25 15:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/13/25 15:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/15/25 04:08	1

Method: SW846 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		01/10/25 09:40	01/15/25 04:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/10/25 09:40	01/15/25 04:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/10/25 09:40	01/15/25 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*01/10/25 09:40*	*01/15/25 04:08*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*01/10/25 09:40*	*01/15/25 04:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		10.0		mg/Kg			01/14/25 19:35	1

Client Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-3

Lab Sample ID: 890-7562-6
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/13/25 07:59	01/13/25 15:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/13/25 07:59	01/13/25 15:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/13/25 07:59	01/13/25 15:59	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/13/25 07:59	01/13/25 15:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/13/25 07:59	01/13/25 15:59	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/13/25 07:59	01/13/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/13/25 07:59*	*01/13/25 15:59*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/13/25 07:59*	*01/13/25 15:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/13/25 15:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/15/25 04:23	1

Method: SW846 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		01/10/25 09:40	01/15/25 04:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/10/25 09:40	01/15/25 04:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/10/25 09:40	01/15/25 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*01/10/25 09:40*	*01/15/25 04:23*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*01/10/25 09:40*	*01/15/25 04:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		10.1		mg/Kg			01/14/25 19:42	1

Client Sample ID: DS-3

Lab Sample ID: 890-7562-7
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 2-2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 16:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 16:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 16:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/13/25 07:59	01/13/25 16:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 16:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/13/25 07:59	01/13/25 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*01/13/25 07:59*	*01/13/25 16:19*	*1*

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Client Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-3

Lab Sample ID: 890-7562-7
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 2-2.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*01/13/25 07:59*	*01/13/25 16:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/13/25 16:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/15/25 04:36	1

Method: SW846 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		01/10/25 09:40	01/15/25 04:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/10/25 09:40	01/15/25 04:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/10/25 09:40	01/15/25 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*01/10/25 09:40*	*01/15/25 04:36*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*01/10/25 09:40*	*01/15/25 04:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		9.96		mg/Kg			01/14/25 19:49	1

Client Sample ID: DS-3

Lab Sample ID: 890-7562-8
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 3-3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/13/25 07:59	01/13/25 16:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/13/25 07:59	01/13/25 16:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/13/25 07:59	01/13/25 16:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/13/25 07:59	01/13/25 16:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/13/25 07:59	01/13/25 16:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/13/25 07:59	01/13/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*01/13/25 07:59*	*01/13/25 16:40*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/13/25 07:59*	*01/13/25 16:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/13/25 16:40	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/15/25 04:50	1

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Client Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-3

Lab Sample ID: 890-7562-8
Matrix: Solid
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08
Sample Depth: 3-3.5

Method: SW846 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		01/10/25 09:40	01/15/25 04:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/10/25 09:40	01/15/25 04:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/10/25 09:40	01/15/25 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*01/10/25 09:40*	*01/15/25 04:50*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*01/10/25 09:40*	*01/15/25 04:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		10.1		mg/Kg			01/14/25 19:56	1

Surrogate Summary

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7562-1	DS-2	116	90
890-7562-2	DS-2	129	84
890-7562-3	DS-2	114	90
890-7562-4	DS-2	124	89
890-7562-5	DS-3	117	88
890-7562-6	DS-3	114	90
890-7562-7	DS-3	120	81
890-7562-8	DS-3	119	89
890-7565-A-1-B MS	Matrix Spike	105	92
890-7565-A-1-C MSD	Matrix Spike Duplicate	102	95
LCS 880-100106/1-A	Lab Control Sample	98	93
LCSD 880-100106/2-A	Lab Control Sample Dup	96	92
MB 880-100106/5-A	Method Blank	111	84

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7558-A-1-D MS	Matrix Spike	86	79
890-7558-A-1-E MSD	Matrix Spike Duplicate	86	79
890-7562-1	DS-2	72	66 S1-
890-7562-2	DS-2	72	67 S1-
890-7562-3	DS-2	76	71
890-7562-4	DS-2	73	69 S1-
890-7562-5	DS-3	71	69 S1-
890-7562-6	DS-3	74	68 S1-
890-7562-7	DS-3	72	69 S1-
890-7562-8	DS-3	72	67 S1-
LCS 880-100032/2-A	Lab Control Sample	90	84
LCSD 880-100032/3-A	Lab Control Sample Dup	90	85
MB 880-100032/1-A	Method Blank	128	127

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100106/5-A
Matrix: Solid
Analysis Batch: 100109

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 10:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 10:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 10:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/13/25 07:59	01/13/25 10:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/13/25 07:59	01/13/25 10:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/13/25 07:59	01/13/25 10:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/13/25 07:59*	*01/13/25 10:50*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/13/25 07:59*	*01/13/25 10:50*	*1*

Lab Sample ID: LCS 880-100106/1-A
Matrix: Solid
Analysis Batch: 100109

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100106

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1010		mg/Kg		101	70 - 130		
Toluene			0.100	0.1049		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.09633		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1952		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09794		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-100106/2-A
Matrix: Solid
Analysis Batch: 100109

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100106

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09735		mg/Kg		97	70 - 130	4	35
Toluene			0.100	0.1003		mg/Kg		100	70 - 130	4	35
Ethylbenzene			0.100	0.09269		mg/Kg		93	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1873		mg/Kg		94	70 - 130	4	35
o-Xylene			0.100	0.09438		mg/Kg		94	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-7565-A-1-B MS
Matrix: Solid
Analysis Batch: 100109

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0992	0.09427		mg/Kg		95	70 - 130		
Toluene	<0.00199	U	0.0992	0.1005		mg/Kg		101	70 - 130		

QC Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

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

Lab Sample ID: 890-7565-A-1-B MS
Matrix: Solid
Analysis Batch: 100109

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0992	0.09274		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1874		mg/Kg		94	70 - 130
o-Xylene	<0.00199	U	0.0992	0.09526		mg/Kg		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-7565-A-1-C MSD
Matrix: Solid
Analysis Batch: 100109

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 100106

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09692		mg/Kg		97	70 - 130	3	35
Toluene	<0.00199	U	0.100	0.1020		mg/Kg		102	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.100	0.09377		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1907		mg/Kg		95	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.09633		mg/Kg		96	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: MB 880-100032/1-A
Matrix: Solid
Analysis Batch: 100193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100032

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		01/10/25 09:40	01/14/25 23:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/10/25 09:40	01/14/25 23:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/10/25 09:40	01/14/25 23:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*01/10/25 09:40*	*01/14/25 23:48*	*1*
o-Terphenyl	*127*		*70 - 130*	*01/10/25 09:40*	*01/14/25 23:48*	*1*

Lab Sample ID: LCS 880-100032/2-A
Matrix: Solid
Analysis Batch: 100193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	879.4		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	829.0		mg/Kg		83	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

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

Lab Sample ID: LCS 880-100032/2-A
Matrix: Solid
Analysis Batch: 100193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100032

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCSD 880-100032/3-A
Matrix: Solid
Analysis Batch: 100193

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	880.4		mg/Kg		88	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	800.0		mg/Kg		80	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 890-7558-A-1-D MS
Matrix: Solid
Analysis Batch: 100193

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100032

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	705.7		mg/Kg		71	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	709.8		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: 890-7558-A-1-E MSD
Matrix: Solid
Analysis Batch: 100193

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 100032

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	792.3		mg/Kg		80	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	745.6		mg/Kg		75	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	79		70 - 130

QC Sample Results

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100212/1-A
Matrix: Solid
Analysis Batch: 100223

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/14/25 10:50	1

Lab Sample ID: LCS 880-100212/2-A
Matrix: Solid
Analysis Batch: 100223

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	256.8		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-100212/3-A
Matrix: Solid
Analysis Batch: 100223

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	257.1		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-53131-A-6-B MS
Matrix: Solid
Analysis Batch: 100223

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	92.5		253	354.9		mg/Kg		104	90 - 110		

Lab Sample ID: 880-53131-A-6-C MSD
Matrix: Solid
Analysis Batch: 100223

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	92.5		253	358.2		mg/Kg		105	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

GC VOA

Prep Batch: 100106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7562-1	DS-2	Total/NA	Solid	5035	
890-7562-2	DS-2	Total/NA	Solid	5035	
890-7562-3	DS-2	Total/NA	Solid	5035	
890-7562-4	DS-2	Total/NA	Solid	5035	
890-7562-5	DS-3	Total/NA	Solid	5035	
890-7562-6	DS-3	Total/NA	Solid	5035	
890-7562-7	DS-3	Total/NA	Solid	5035	
890-7562-8	DS-3	Total/NA	Solid	5035	
MB 880-100106/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100106/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100106/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7565-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-7565-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7562-1	DS-2	Total/NA	Solid	8021B	100106
890-7562-2	DS-2	Total/NA	Solid	8021B	100106
890-7562-3	DS-2	Total/NA	Solid	8021B	100106
890-7562-4	DS-2	Total/NA	Solid	8021B	100106
890-7562-5	DS-3	Total/NA	Solid	8021B	100106
890-7562-6	DS-3	Total/NA	Solid	8021B	100106
890-7562-7	DS-3	Total/NA	Solid	8021B	100106
890-7562-8	DS-3	Total/NA	Solid	8021B	100106
MB 880-100106/5-A	Method Blank	Total/NA	Solid	8021B	100106
LCS 880-100106/1-A	Lab Control Sample	Total/NA	Solid	8021B	100106
LCSD 880-100106/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100106
890-7565-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	100106
890-7565-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100106

Analysis Batch: 100167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7562-1	DS-2	Total/NA	Solid	Total BTEX	
890-7562-2	DS-2	Total/NA	Solid	Total BTEX	
890-7562-3	DS-2	Total/NA	Solid	Total BTEX	
890-7562-4	DS-2	Total/NA	Solid	Total BTEX	
890-7562-5	DS-3	Total/NA	Solid	Total BTEX	
890-7562-6	DS-3	Total/NA	Solid	Total BTEX	
890-7562-7	DS-3	Total/NA	Solid	Total BTEX	
890-7562-8	DS-3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7562-1	DS-2	Total/NA	Solid	8015NM Prep	
890-7562-2	DS-2	Total/NA	Solid	8015NM Prep	
890-7562-3	DS-2	Total/NA	Solid	8015NM Prep	
890-7562-4	DS-2	Total/NA	Solid	8015NM Prep	
890-7562-5	DS-3	Total/NA	Solid	8015NM Prep	
890-7562-6	DS-3	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

GC Semi VOA (Continued)

Prep Batch: 100032 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7562-7	DS-3	Total/NA	Solid	8015NM Prep	
890-7562-8	DS-3	Total/NA	Solid	8015NM Prep	
MB 880-100032/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100032/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100032/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7558-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7558-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7562-1	DS-2	Total/NA	Solid	8015B NM	100032
890-7562-2	DS-2	Total/NA	Solid	8015B NM	100032
890-7562-3	DS-2	Total/NA	Solid	8015B NM	100032
890-7562-4	DS-2	Total/NA	Solid	8015B NM	100032
890-7562-5	DS-3	Total/NA	Solid	8015B NM	100032
890-7562-6	DS-3	Total/NA	Solid	8015B NM	100032
890-7562-7	DS-3	Total/NA	Solid	8015B NM	100032
890-7562-8	DS-3	Total/NA	Solid	8015B NM	100032
MB 880-100032/1-A	Method Blank	Total/NA	Solid	8015B NM	100032
LCS 880-100032/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100032
LCSD 880-100032/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100032
890-7558-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	100032
890-7558-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100032

Analysis Batch: 100304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7562-1	DS-2	Total/NA	Solid	8015 NM	
890-7562-2	DS-2	Total/NA	Solid	8015 NM	
890-7562-3	DS-2	Total/NA	Solid	8015 NM	
890-7562-4	DS-2	Total/NA	Solid	8015 NM	
890-7562-5	DS-3	Total/NA	Solid	8015 NM	
890-7562-6	DS-3	Total/NA	Solid	8015 NM	
890-7562-7	DS-3	Total/NA	Solid	8015 NM	
890-7562-8	DS-3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7562-1	DS-2	Soluble	Solid	DI Leach	
890-7562-2	DS-2	Soluble	Solid	DI Leach	
890-7562-3	DS-2	Soluble	Solid	DI Leach	
890-7562-4	DS-2	Soluble	Solid	DI Leach	
890-7562-5	DS-3	Soluble	Solid	DI Leach	
890-7562-6	DS-3	Soluble	Solid	DI Leach	
890-7562-7	DS-3	Soluble	Solid	DI Leach	
890-7562-8	DS-3	Soluble	Solid	DI Leach	
MB 880-100212/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100212/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100212/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53131-A-6-B MS	Matrix Spike	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

HPLC/IC (Continued)

Leach Batch: 100212 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53131-A-6-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 100223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7562-1	DS-2	Soluble	Solid	300.0	100212
890-7562-2	DS-2	Soluble	Solid	300.0	100212
890-7562-3	DS-2	Soluble	Solid	300.0	100212
890-7562-4	DS-2	Soluble	Solid	300.0	100212
890-7562-5	DS-3	Soluble	Solid	300.0	100212
890-7562-6	DS-3	Soluble	Solid	300.0	100212
890-7562-7	DS-3	Soluble	Solid	300.0	100212
890-7562-8	DS-3	Soluble	Solid	300.0	100212
MB 880-100212/1-A	Method Blank	Soluble	Solid	300.0	100212
LCS 880-100212/2-A	Lab Control Sample	Soluble	Solid	300.0	100212
LCSD 880-100212/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100212
880-53131-A-6-B MS	Matrix Spike	Soluble	Solid	300.0	100212
880-53131-A-6-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	100212

Lab Chronicle

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-2
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100106	01/13/25 07:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100109	01/13/25 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100167	01/13/25 13:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			100304	01/15/25 02:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	100032	01/10/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100193	01/15/25 02:58	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100212	01/14/25 09:16	SI	EET MID
Soluble	Analysis	300.0		1			100223	01/14/25 18:51	CH	EET MID

Client Sample ID: DS-2
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100106	01/13/25 07:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100109	01/13/25 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100167	01/13/25 13:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			100304	01/15/25 03:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100032	01/10/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100193	01/15/25 03:12	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100212	01/14/25 09:16	SI	EET MID
Soluble	Analysis	300.0		1			100223	01/14/25 19:13	CH	EET MID

Client Sample ID: DS-2
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	100106	01/13/25 07:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100109	01/13/25 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100167	01/13/25 13:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			100304	01/15/25 03:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100032	01/10/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100193	01/15/25 03:41	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100212	01/14/25 09:16	SI	EET MID
Soluble	Analysis	300.0		1			100223	01/14/25 19:20	CH	EET MID

Client Sample ID: DS-2
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	100106	01/13/25 07:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100109	01/13/25 14:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100167	01/13/25 14:15	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-2
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			100304	01/15/25 03:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100032	01/10/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100193	01/15/25 03:55	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100212	01/14/25 09:16	SI	EET MID
Soluble	Analysis	300.0		1			100223	01/14/25 19:27	CH	EET MID

Client Sample ID: DS-3
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	100106	01/13/25 07:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100109	01/13/25 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100167	01/13/25 15:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			100304	01/15/25 04:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100032	01/10/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100193	01/15/25 04:08	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100212	01/14/25 09:16	SI	EET MID
Soluble	Analysis	300.0		1			100223	01/14/25 19:35	CH	EET MID

Client Sample ID: DS-3
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	100106	01/13/25 07:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100109	01/13/25 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100167	01/13/25 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			100304	01/15/25 04:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100032	01/10/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100193	01/15/25 04:23	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100212	01/14/25 09:16	SI	EET MID
Soluble	Analysis	300.0		1			100223	01/14/25 19:42	CH	EET MID

Client Sample ID: DS-3
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100106	01/13/25 07:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100109	01/13/25 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100167	01/13/25 16:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			100304	01/15/25 04:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100032	01/10/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100193	01/15/25 04:36	TKC	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Client Sample ID: DS-3
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	100212	01/14/25 09:16	SI	EET MID
Soluble	Analysis	300.0		1			100223	01/14/25 19:49	CH	EET MID

Client Sample ID: DS-3
Date Collected: 01/10/25 00:00
Date Received: 01/10/25 13:08

Lab Sample ID: 890-7562-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	100106	01/13/25 07:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100109	01/13/25 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100167	01/13/25 16:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			100304	01/15/25 04:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100032	01/10/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100193	01/15/25 04:50	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100212	01/14/25 09:16	SI	EET MID
Soluble	Analysis	300.0		1			100223	01/14/25 19:56	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: VAN DOO DAH 33 CTB 2

Job ID: 890-7562-1
SDG: 249029

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7562-1	DS-2	Solid	01/10/25 00:00	01/10/25 13:08	0-6
890-7562-2	DS-2	Solid	01/10/25 00:00	01/10/25 13:08	1-1.5
890-7562-3	DS-2	Solid	01/10/25 00:00	01/10/25 13:08	2-2.5
890-7562-4	DS-2	Solid	01/10/25 00:00	01/10/25 13:08	3-3.5
890-7562-5	DS-3	Solid	01/10/25 00:00	01/10/25 13:08	0-6
890-7562-6	DS-3	Solid	01/10/25 00:00	01/10/25 13:08	1-1.5
890-7562-7	DS-3	Solid	01/10/25 00:00	01/10/25 13:08	2-2.5
890-7562-8	DS-3	Solid	01/10/25 00:00	01/10/25 13:08	3-3.5

Chain of Custody

NTG ENVIRONMENTAL

890-7562 Chain of Custody

1/15/2025

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Jim Raley
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W. McKay St.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Van Doo Dah 33 CTB 2	Turn Around	☑ Routine ☐ Rush
Project Number:	249029	Due Date:	
Project Location	Lea County, New Mexico	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kenny Han		
PO #:	21369207		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	TNN007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.2
Total Containers:	8	Corrected Temperature:	1.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; ~~$Na_2S_2O_3$: $NaSO_3$~~; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	TPH	BTEX	Chloride	HOLD	Sample Comments
DS-2	0-6"	1/10/2025		X		Grab	1		X	X	X		
DS-2	1-1.5	1/10/2025		X		Grab	1		X	X	X		
DS-2	2-2.5	1/10/2025		X		Grab	1		X	X	X		
DS-2	3-3.5	1/10/2025		X		Grab	1		X	X	X		
DS-3	0-6"	1/10/2025		X		Grab	1		X	X	X		
DS-3	1-1.5	1/10/2025		X		Grab	1		X	X	X		
DS-3	2-2.5	1/10/2025		X		Grab	1		X	X	X		
DS-3	3-3.5	1/10/2025		X		Grab	1		X	X	X		

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Kenny Han		15:08 1/10			
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-7562-1
SDG Number: 249029

Login Number: 7562
List Number: 1
Creator: Lopez, Abraham

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.	N/A	Refer to Job Narrative for details.
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: NT Global

Job Number: 890-7562-1
SDG Number: 249029

Login Number: 7562
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 01/13/25 08:12 AM

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

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

QUESTIONS

Action 421648

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 421648
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2422029229**
Incident Name	**NAPP2422029229 VAN DOO DAH 33 CTB 2 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Deferral Request Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	VAN DOO DAH 33 CTB 2
Date Release Discovered	08/06/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Separator | Produced Water | Released: 200 BBL | Recovered: 200 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Weld on water leg at separator broke causing a 200 bbl produced water spill. 200 bbls recovered.

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 421648
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/16/2025

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 421648
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	6960
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	09/22/2024
On what date will (or did) the final sampling or liner inspection occur	10/12/2024
On what date will (or was) the remediation complete(d)	10/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	115
What is the estimated volume (in cubic yards) that will be remediated	13
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 421648
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/16/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 421648
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The impacted area is under the secondary containment and under a separator
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	45.3
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	5
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	VAN DOO DAH 33 CTB 2 [fAPP2407128811]
Enter the well API (30-) on which this deferral should be granted	*Not answered.*
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/16/2025

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 421648
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**385741**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**09/25/2024**
What was the (estimated) number of samples that were to be gathered	**5**
What was the sampling surface area in square feet	**200**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 421648

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 421648
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of DS-1, SW-1 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	1/21/2025