Volume calculator

There was no volume calculator prepared when the spill occurred.

402 E. Wood Avenue
Carlsbad, New Mexico 88220
Tel. 432.701.2159
www.ntgenvironmental.com

February 16, 2024

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

Re: Closure Report
West Red Lake Unit #072
Devon Energy Production Company
Unit F, S08, T18S, R27E
Site Coordinates: 32.7656517, -104.3021774
Eddy County, New Mexico
Incident ID: nMCS0318226779

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Closure Request Report for the New Mexico Oil Conservation Division (NMOCD) District 2 Office in Artesia, New Mexico for documentation of site assessment, remedial action activities, and analysis at the West Red Lake Unit #072 (Site). The Site is located 7.69 miles Southeast of Artesia, New Mexico in Unit Letter F, Section 08 of Township 18 South and Range 28 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.7656517° N latitude and 104.3021774° W Longitude. Figure 1 depicts the site location with respect to the nearest town and Figure 2 shows the topographic map of the site.

Background

Based on the initial C-141 (attached) obtained from the NMOCD, the release happened on June 5th, 2003 causing a fiberglass line to separate and spill a produced water on a draw and pasture. Approximately 400 barrels (bbls) of produced water were released of which 70 bbls were recovered for a net loss of 330 bbls of produced water. Upon discovery, the damaged line was shut in and repaired with standing fluids removed with a vacuum truck. The release area is shown on Figure 3.

Site Characterization

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 13 (NMAC 19.15.29.13).

The Site is located in a High Karst area. Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there is one known water source within a ½-mile radius of the Site. The nearest identified well LWD 0256 is located within ½-mile radius of the Site in Sec 8 T18S R27E, however neither total depth nor depth to groundwater of this livestock water hole has been provided to the NMOSE. A copy of the site characterization information and the associated NMOSE summary report is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in NMAC 19.15.29.13, the following criteria are applicable to the Site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

Site Assessment

On September 25th, 2023, and November 20th, 2023, NTG Environmental, LLC (NTGE) conducted site assessment activities to determine the presence/extent of impacts at the Site. A total of four (4) vertical sample points (V-1 through V-4), as well as four (4) horizontal sample points (H-1 through H-4) were installed within the release area to characterize the impacts. One (1) background sample point (Background-1) was installed outside of the release area to determine background level of chloride concentrations due to the abundance of gypsum in the area of concern. Soil samples were collected in 0.5 to 1 foot (ft) intervals at depths ranging from 0.5 to 4.5 feet below ground surface (ft bgs) with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown in Figure 3.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Eurofins Laboratory in Carlsbad, NM. Soil samples were collected and analyzed for the following:

- TPH (EPA method 8015 modified),
- BTEX (EPA Method 8021B), and
- Chloride (method SM4500Cl-B).

Analytical Results

Analytical results indicated that all constituents of concern concentrations for samples V-1 through V-4 and H-1 through H-4 were below the Table I Closure Criteria across the release area at all depths. Samples collected from Background-1 test point were above the Table I Closure Criteria for chloride concentration at depths ranging from 1 to 4.5 ft bgs thus indicating natural presence of high saline concentrations in the soil. Laboratory reports containing analytical methods and chain-of-custody documents are attached. All analytical laboratory results are included in Table 1.

Closure Request

Based on the site assessment, the site is compliant with the regulatory limits and no further actions are required at the site. A copy of the final C- 141 is attached, and Devon formally requests a no further action designation for the Site. If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,
NTG Environmental

Ethan Sessums
Project Manager

Dmitry Nikanorov
Project Scientist

Attachments:

Initial C-141
Site Characterization Information
Tables
Figures
Photographic Log
Laboratory Reports and Chain-of-Custody Documents

Ethan Sessums

From: Morgan, Crisha A <camorgan@blm.gov>
Sent: Monday, April 1, 2024 4:26 PM
To: Ethan Sessums
Subject: Re: [EXTERNAL] FW: For West Red Lake 072 Revegetation BLM Approval

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

Bureau of Land Management

The Bureau of Land Management, responded to the initial release on 09/09/2003, conducting an inspection of the impact of the release. A Supervisory EPS/PET was on site for most of the spill remediation process and closure of the event. The well was Plugged and Abandoned on 04/17/2008. The abandoned well location was placed into a monitoring status until a Final Abandonment inspection on 09/23/22 was conducted. At that time it was determined that the location and associated release met the BLMs standards for spill closure. At that time it was determined that the location was stable at around 35% revegetation success of the entire pad and placed into monitoring, where it will stay until the operator submits for Final Abandonment. As of that date the BLM considers all matters associated with the West Red Lake 72 incident/spill nMCS0318226779 closed. The location will remain in ABD status until a subsequent report for FAN is submitted for the entire pad and any other associated disturbance related to the West Red Lake 72.

Please let me know if you have any additional questions.

Crisha A. Morgan |Certified - Environmental Protection Specialist | Program Officer|COR| Spills Coordinator| Orphaned & Idled Well POC Lead
Bureau of Land Management | Carlsbad Field Office
620 E. Greene Street Carlsbad, NM 88220
Cell 575-200-8648 | Office 575-234-5987 |camorgan@blm.gov

INITIAL C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date:

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 9/7/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 261848

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 261848
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/7/2023

SITE CHARACTERIZATION INFORMATION

NMOCD Closure Criteria

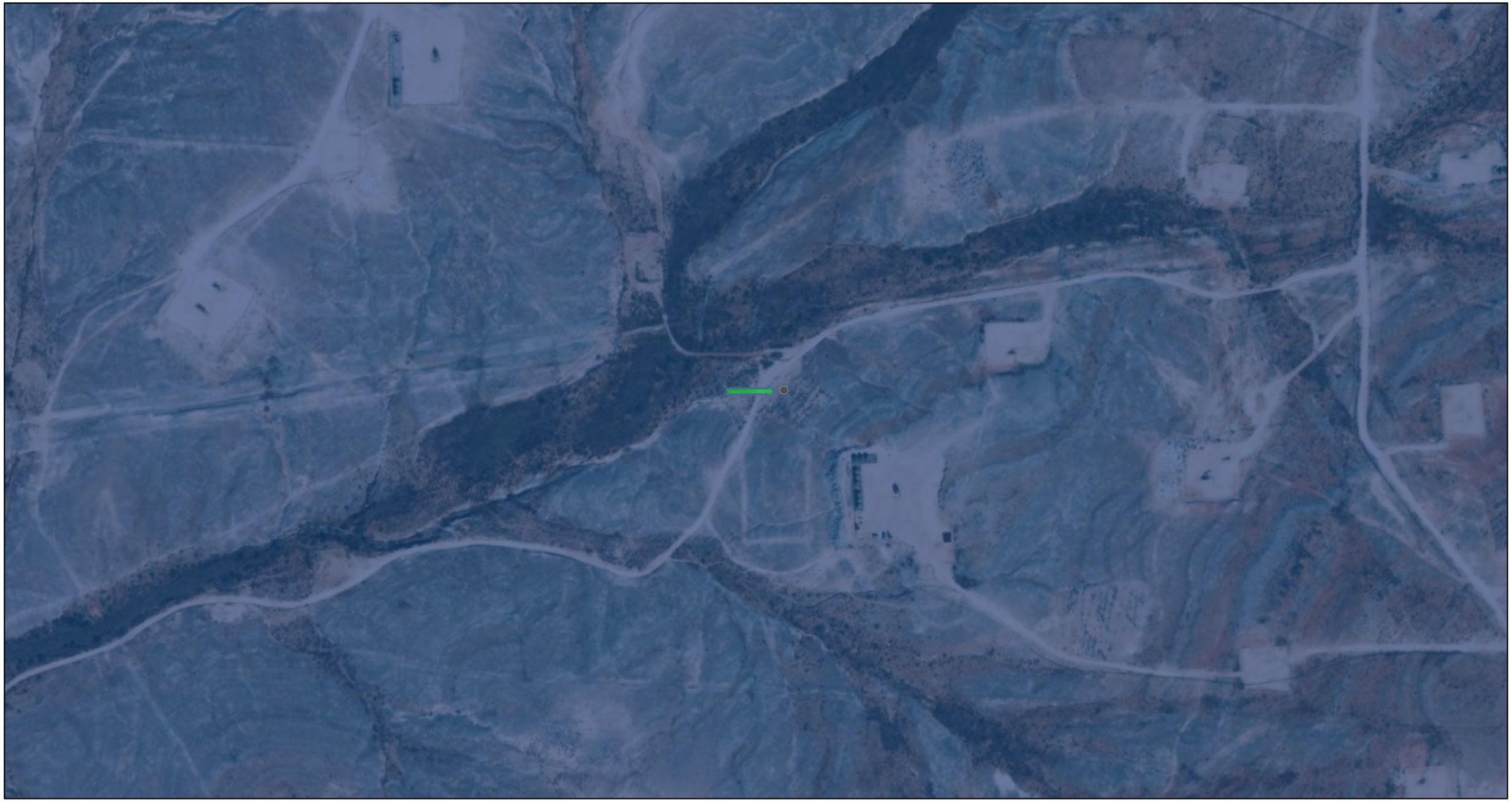
West Red Lake Unit #072

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater (ft bgs)	N/A	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	526	Intermittent stream- National Wetlands Inventory (NWS)
Horizontal Distance to Nearest Significant Watercourse (ft)	>2680	National Wetlands Inventory (NWS)

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater (ft)		**Closure Criteria (mg/kg)**				
		Chloride*	**TPH**	**GRO + DRO**	**BTEX**	**Benzene**
< 50	X	600	100	--	50	10
51 - 100		10,000	2,500	1,000	50	10
>100		20,000	2,500	1,000	50	10
Surface Water	**Yes/No**	**in yes, then**				
<300 ft from a continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200 ft from a lakebed, sinkhole, or playa lake?	No					
Water Well or Water Source						
<500 ft from a spring or a private, domestic fresh waster well used by less that 5 households for domestic or livestock purposes?	No					
<1,000 ft from a fresh water well or spring?	No					
Human and Other Area						
<300 ft from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100 ft from a wetland?	No					
Within an area overlying a subsurface mine?	No					
Within and unstable area?	Yes					
Within a 100 yr floodplain?	No					

* - numerical limit or background, whichever is greater

OCD Karst Potential Map



9/11/2023, 5:18:30 PM

Override 1

Karst Occurrence Potential

High

1:4,514

0 0.05 0.1 0.19 mi

0 0.07 0.15 0.3 km

BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, iPC, Maxar

New Mexico Oil Conservation Division

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

OSE POD Location Map

9/11/2023, 5:00:45 PM

GIS WATERS PODs

- Active
- Pending

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar

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

Renbrd:
LWD-2561
(74811)

STATE ENGINEER OFFICE

DECLARATION OF OWNERSHIP OF LIVESTOCK WATER DAM OR TANK
(Note: Read Instructions on Back of Form)

Date of Receipt May 19, 1992 Declaration No. ~~LWD-RA-83~~

1. Name of Declarant J. W. Gissler Post Office Box 987, Artesia
County of Eddy State of New Mexico 88210

2. Dam or tank is located in the NW ¼ SE ¼ NW ¼ of
Section 8, Township 18S, Range 27E, on N/A,
a tributary of Pecos River, and is on Federal
(State, Federal, Declarants)
property.
Water is stored for Stock Water purposes.
(stock water, if other uses so state)
Topography of drainage basin, Undulating
(steep, rough, rolling, undulating, flat)
Approximate area of drainage basin above dam is square miles 3
Vegetative cover of drainage basin, Shrubs, Grass
(forest, woodland, shrubs, grass, bare)
Is watercourse normally dry, Yes
(yes or no)

3. Approximate physical properties of storage dam: height of dam above streambed, or natural ground N/A feet; height of spillway flowline above streambed, or natural ground N/A feet; length of top of dam, N/A feet; width of crest, N/A feet; slope of upstream face, N/A horizontal to 1.0 vertical; slope of downward face, N/A horizontal to 1.0 vertical; nature of riprap or other protection placed over water face of dam, N/A

Give type, size and maximum discharge of outlet pipe, if any, and type of gate used (if none say none). None

Maximum water surface area .1 acres; storage capacity .25 acre feet; dam contains approximately N/A cubic yards of earth.

4. Approximate physical properties of spillway; bottom width N/A feet; maximum depth of flow N/A feet; discharge capacity N/A cubic feet per second; spillway is located in Grassed Earth
(rock, shale, clay, grassed earth, bare earth, etc)

5. Dam or tank was constructed under the supervision of N/A
(name agency, declarant or engineer)
and was completed in N/A (give date)
Name of contractor that built dam N/A

6. Additional information This is a natural water hole that has provided water to domestic livestock prior to 1907

'92 MAY 19 AM 11 04
STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

FILED
UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM. ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

DECLARANT'S CERTIFICATE

I hereby certify that I have read the foregoing statements and know the contents thereof and representations thereon, and that the same are true to the best of my knowledge and belief.

5-11-92
Date

J. W. Gessler
Declarant

Subscribed and sworn to before me this 11 day of May, 1992

May 30 1994
My Commission Expires

Ellen McGill
Notary Public

INSTRUCTIONS

This Declaration shall be executed in triplicate and shall be accompanied by a $1.00 filing fee and submitted to the nearest district office of State Engineer. (Offices are located in Santa Fe, Albuquerque, Roswell and Deming, New Mexico.)

All blanks should be completed as accurately as possible and if figures are estimated add the word "estimated" next to the value. Should any item requested be unknown so state on the form.

If tank or dam is filled by a diversion ditch or well, explain under Item 6 giving the known information on the ditch or well.

Should the dam or tank being declared have been constructed to replace an older structure so note under Item 6 giving the known information on original. (Information needed is location with respect to present structure, its capacity and date of completion.)

if the space on form is not adequate, attach supplemental sheets to form.

If possible, Declaration should also be accompanied by affidavits of persons who have first hand knowledge of the history of the works or by other evidence sufficient to substantiate the claim.

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ
STATE ENGINEER

ROSWELL

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

May 22, 1992

FILES: 03548; RA-5520; RA-8047 thru RA-8052;
LWD-RA-83 thru LWD-RA-88

J.W. Gissler
c/o Bud Eppers
Dunlap Route, Box 1139
Roswell, NM 88201

Dear Sir:

Enclosed are your copies of Declaration of Ownership of Water Right Perfected Prior to March 19, 1907, Declaration of Owner of Underground Water Right, and Declaration of Ownership of Livestock Water Dam or Tank as numbered above, which have been accepted for filing in the office of the State Engineer.

Please refer to these numbers in all future correspondence concerning these declarations.

The acceptance for filing of these declarations does not indicate affirmation or rejection of the statements contained therein.

Sincerely,

Richard C. Cibak
Pecos River Basin Supervisor

tg
Enclosure
cc: Santa Fe
Hydro Section

Renbrd:
LWD-2541
674811

INVESTIGATIVE REPORT

DATE: May 26, 1992

TO: File LWD-RA-83

FROM: Mike Stapleton, Water Resource Technician III

SUBJECT: Livestock Watering Dam

SUBDIVISION	SECTION	TOWNSHIP	RANGE	ACRES
NW¼SE¼NW¼	8	18S	27E	

USE: Livestock Watering

YES	NO	N/A	
X			Same Physical Properties as Declared
X			Natural Lake Bed (Pit Tank)
	X		Irrigation Use (Potential)
	X		Shown on Quadrangle Map _____
X			Holding Water
X			In Use as Declared

STATEMENTS: Field investigation conducted May 26, 1992, revealed that this LWD holds rain water runoff.

Mike Stapleton
Mike Stapleton
Water Resource Technician III

MS/tg
cc: Santa Fe
Hydro Section

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ
STATE ENGINEER

ROSWELL

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

June 4, 1992

FILE: 03548; LWD-RA-83; LWD-RA-87; LWD-RA-88;
RA-5520; RA-8047; RA-8049 thru RA-8052

J.W. Gissler
Box 987
Artesia, NM 88210

Dear Mr. Gissler:

Enclosed are your copies of "Investigative Reports" prepared for use by the State Engineer Office in conjunction with the Declarations of Ownership of Livestock Water Dam or Tank; Declarations of Owner of Underground Water Right; and Declaration of Ownership of Water Right Perfected Prior to March 19, 1907, which you recently filed.

If you have any questions about these reports or feel that you have additional information available which might clarify certain points, please contact either Craig Hipple or me.

Sincerely,

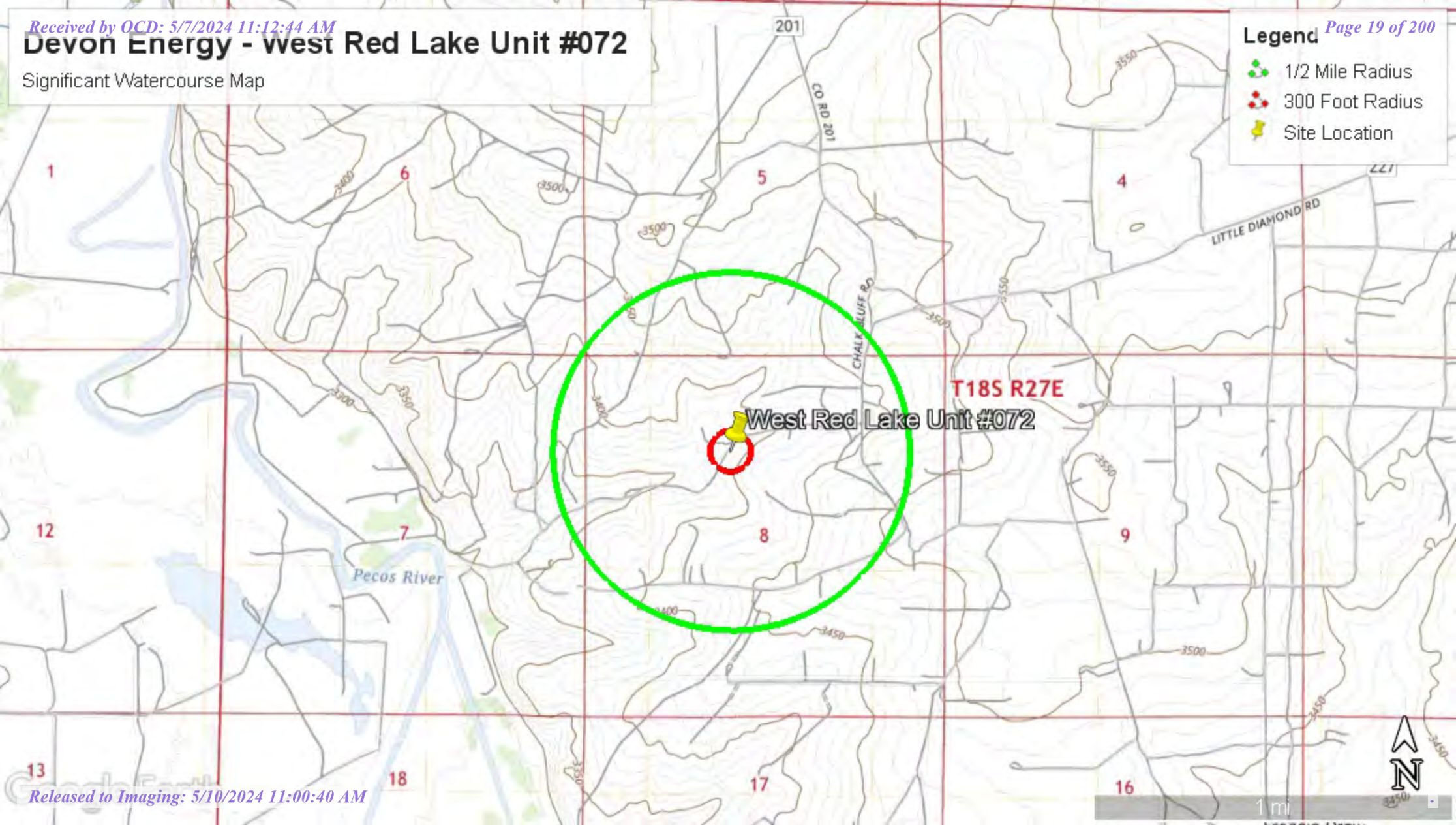
Richard C. Cibak
Pecos River Basin Supervisor

tg
Enclosures
cc: Santa Fe
Hydro Section

Received by OCD: 5/7/2024 11:12:44 AM

Devon Energy - West Red Lake Unit #072

Significant Watercourse Map



Released to Imaging: 5/10/2024 11:00:40 AM

Received by OCD: 5/7/2024 11:12:44 AM

U.S. Fish and Wildlife Service
National Wetlands Inventory

West Red Lake Unit #072

September 11, 2023

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

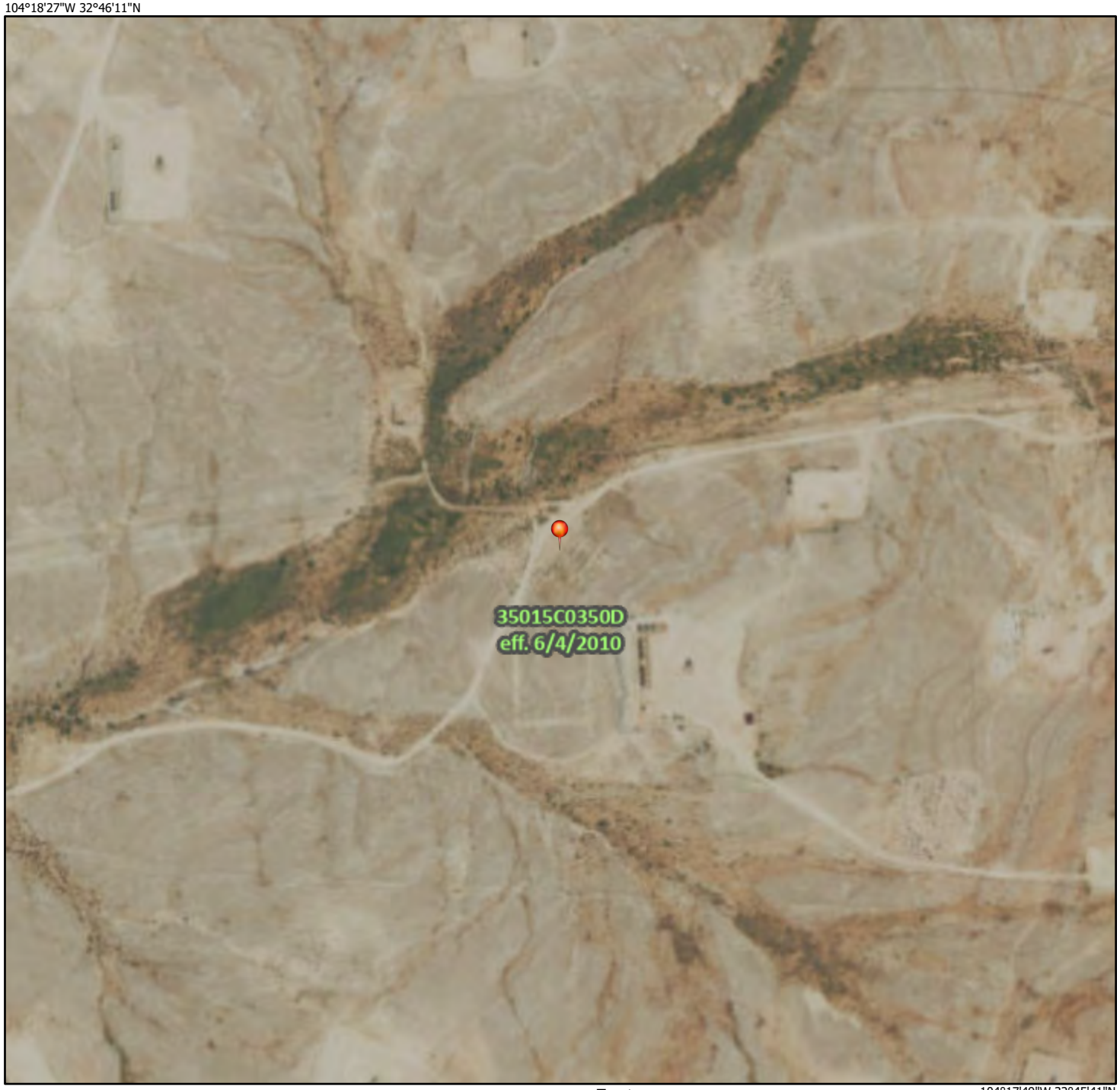
Released to Imaging: 5/10/2024 11:00:40 AM

Received by OCD: 5/7/2024 11:12:44 AM

National Flood Hazard Layer FIRMette

FEMA

104°18'27"W 32°46'11"N



104°17'49"W 32°45'41"N

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

1:6,000

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
- B 20.2 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 Coastal Transect
- 513 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 9/11/2023 at 6:15 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.

Released to Imaging: 5/10/2024 11:00:40 AM

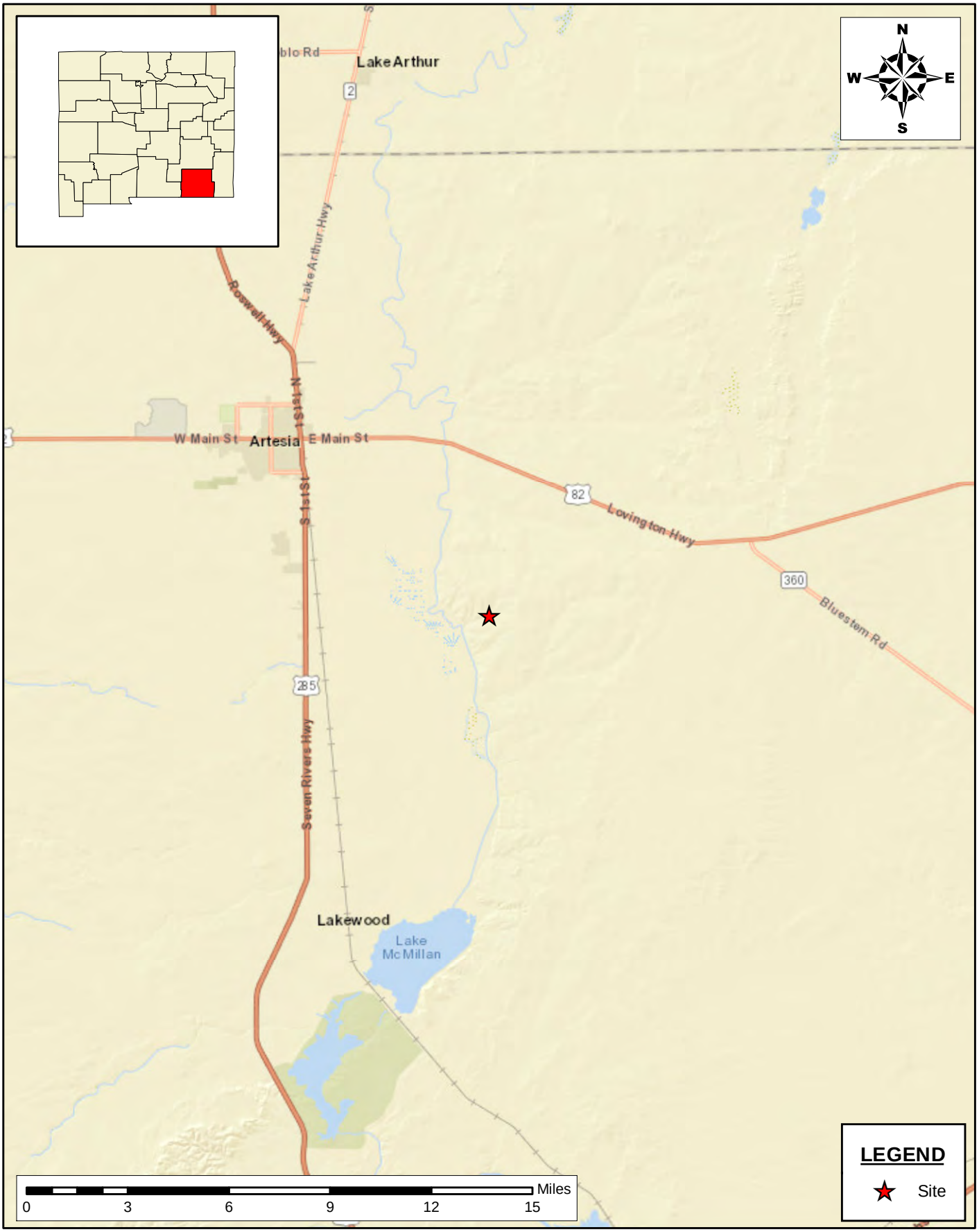
TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
West Red Lake Unit #072
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH GRO (C6-C10)	TPH DRO (C10-C28)	TPH GRO + DRO (C6-C35)	TPH MRO (C28-C35)	TPH Total GRO/DRO/MRO (C6-C35)	Chloride
			(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 ≤ 50 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	09/25/23	6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	**102**
	09/25/23	1'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	**31.3**
	11/20/23	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**480**
	11/20/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**496**
	11/20/23	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**224**
V-2	09/25/23	6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	**25**
	09/25/23	1'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	**99.1**
	09/25/23	2'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	**94.9**
	11/20/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
V-3	04/01/00	6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**92.3**
	09/25/23	1'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	**100**
	11/20/23	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16**
	11/20/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
	11/20/23	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16**
	11/20/23	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16**
V-4	09/25/23	6"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.5	<49.5	<49.5	<49.5	<49.5	**67**
	09/25/23	1'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**77**
	11/20/23	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	11/20/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
Background Samples													
Background-1	9/25/2023	6"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	**31.3**
	9/25/2023	1'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	**33**
	11/20/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**672**
	11/20/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**480**
	11/20/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**928**
	11/20/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**1,360**
Horizontal Delineation Samples													
H-1	09/25/23	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	**88.3**
H-2	09/25/23	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	**75.5**
H-3	09/25/23	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	**89.5**
H-4	09/25/23	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**78.0**

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

FIGURES



SITE LOCATION MAP
SITE CLOSURE REPORT
WEST RED LAKE UNIT #072
DEVON ENERGY PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO
32.7656517°, -104.3021774°

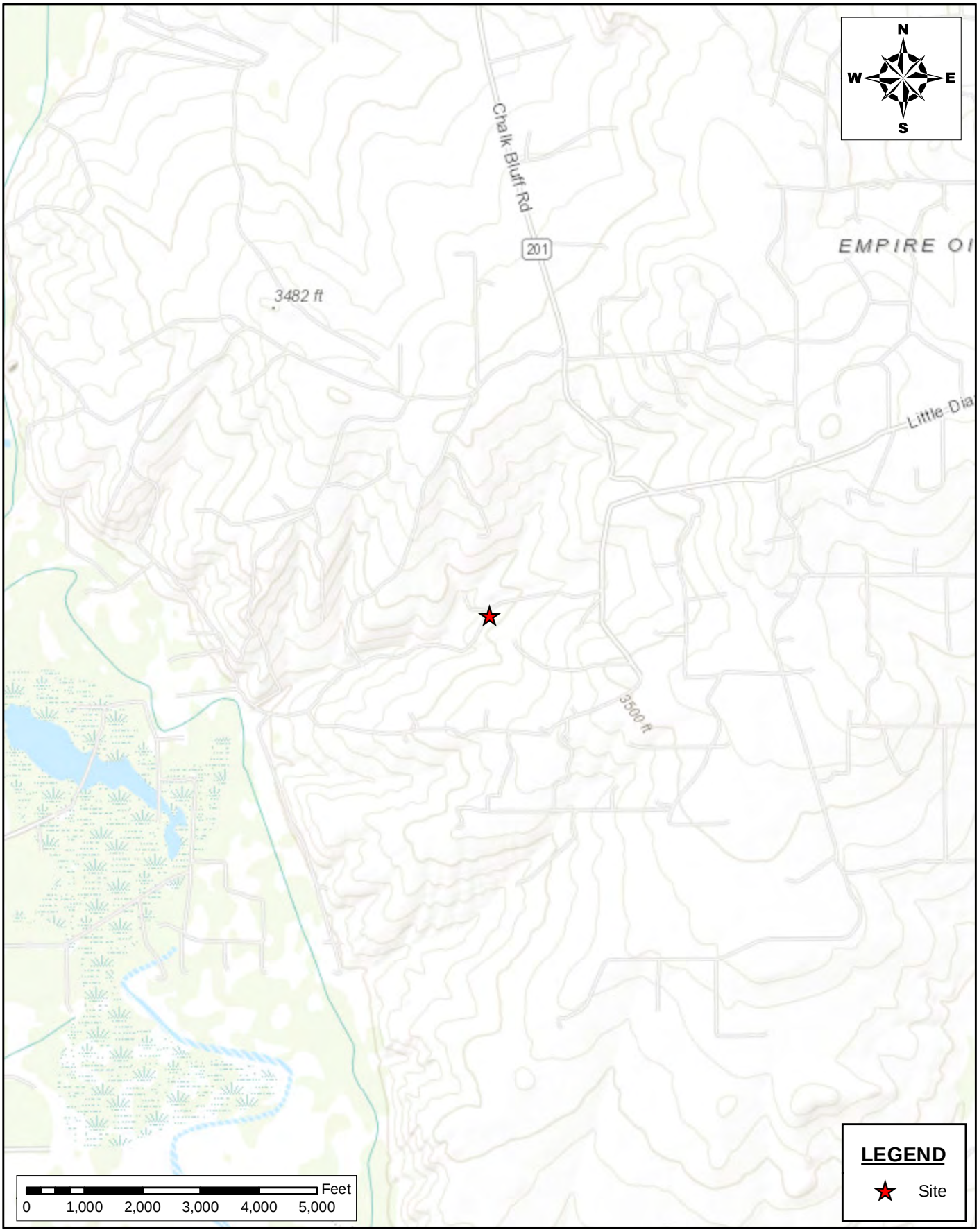
SCALE: As Shown	Date: 9/11/2023	PROJECT #: 237811

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

Document Path: P:\2023 PROJECTS\DEVON\RSC\237811 - West Red Lake Unit #072\7 - Figures\Figure_1_SL.mxd



TOPOGRAPHIC MAP
SITE CLOSURE REPORT
WEST RED LAKE UNIT #072
DEVON ENERGY PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO
32.7656517°, -104.3021774°

SCALE: As Shown	Date: 9/11/2023	PROJECT #: 237811

New Tech Global Environmental, LLC
911 Regional Park Drive
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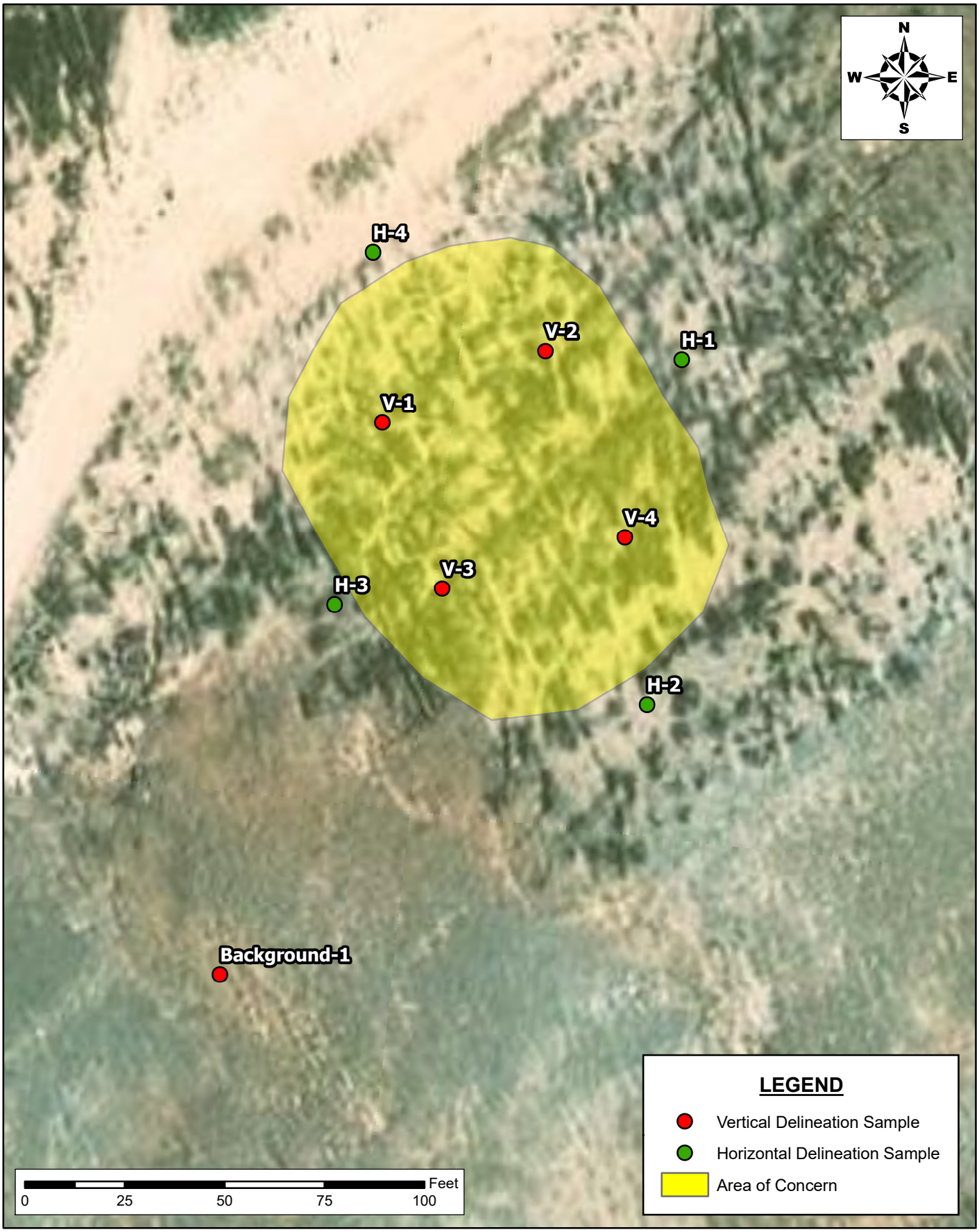
Web: www.ntgenvironmental.com

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

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

Document Path: P:\2023 PROJECTS\DEVON\RSC\237811 - West Red Lake Unit #072\Figure_2_TM.mxd



SITE ASSESSMENT MAP
CLOSURE REPORT
DEVON ENERGY PRODUCTION COMPANY
WEST RED LAKE UNIT #072
EDDY COUNTY, NEW MEXICO
32.7656517°, -104.3021774°

SCALE: AS SHOWN	DATE: 12/11/2023	PROJECT #: 237811

NTG ENVIRONMENTAL
New Tech Global Environmental, LLC
911 Regional Park Drive
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NOTES:
1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\2023 PROJECTS\DEVON\RSC\237811 - West Red Lake Unit #072\7 - Figures\GIS\Figure_3_Closure Map.mxd

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

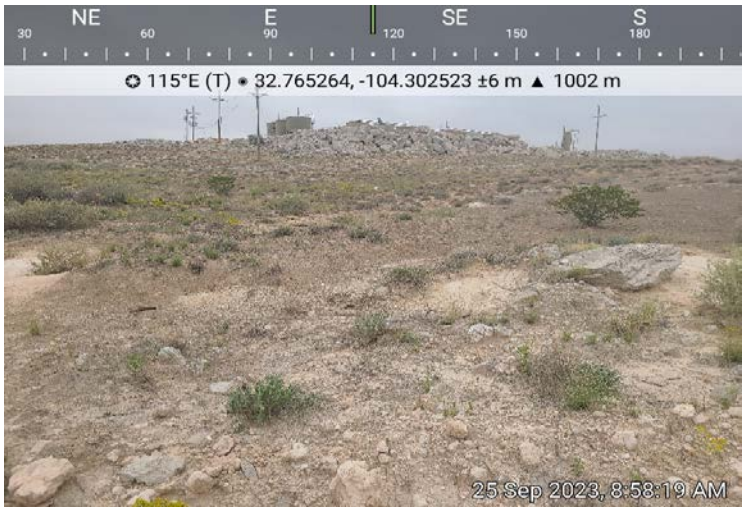
West Red Lake Unit #072

Photograph No. 1

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
Area of Concern

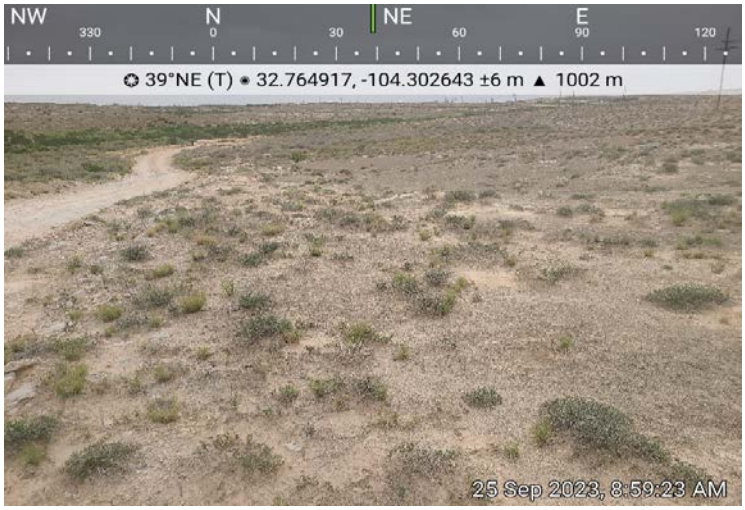


Photograph No. 2

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
Area of Concern



Photograph No. 3

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
Area of Concern

PHOTOGRAPHIC LOG

West Red Lake Unit #072

Photograph No. 4

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

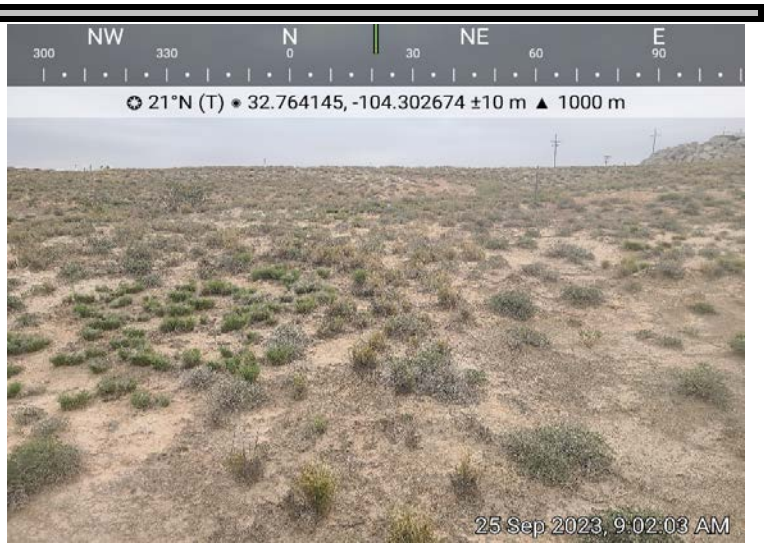
Description:
Area of Concern

Photograph No. 5

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
Area of Concern



Photograph No. 6

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
Area of Concern

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ethan Sessums
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 12/5/2023 10:11:05 AM Revision 1

JOB DESCRIPTION

Devon West Red Lake
Eddy County

JOB NUMBER

880-33747-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/10/2024 11:00:40 AM

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Eurofins Midland

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

JKRAMER

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

Generated
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Revision 1

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 17
QC Sample Results 19
QC Association Summary 23
Lab Chronicle 27
Certification Summary 32
Method Summary 33
Sample Summary 34
Chain of Custody 35
Receipt Checklists 37

Definitions/Glossary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high 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/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Job ID: 880-33747-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-33747-1

REVISION

The report being provided is a revision of the original report sent on 10/3/2023. The report (revision 1) is being revised due to Per client email, requesting sample ID name corrections.

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 9/28/2023 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: V-1 (6") (880-33747-1), Background-1 (6”) (880-33747-2), Background-1 (1’) (880-33747-3), V-2 (6”) (880-33747-4), V-2 (1’) (880-33747-5), V-2 (2’) (880-33747-6), V-3 (6") (880-33747-7), V-3 (1') (880-33747-8), V-4 (6") (880-33747-9), V-4 (1') (880-33747-10), H-1 (SURFACE) (880-33747-11), H-2 (SURFACE) (880-33747-12), H-3 (SURFACE) (880-33747-13) and H-4 (SURFACE) (880-33747-14).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: V-1 (6") (880-33747-1), Background-1 (6”) (880-33747-2), Background-1 (1’) (880-33747-3), V-2 (6”) (880-33747-4), V-2 (1’) (880-33747-5), V-2 (2’) (880-33747-6), V-3 (6") (880-33747-7), V-3 (1') (880-33747-8), V-4 (6") (880-33747-9) and H-4 (SURFACE) (880-33747-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-33747-A-1-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-63535 and analytical batch 880-63577 was outside the upper control limits.

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: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-1 (6")

Lab Sample ID: 880-33747-1
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*09/29/23 16:49*	*10/03/23 02:38*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 02:38*	*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			10/03/23 02:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/29/23 13:52	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	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 13:52	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 13:52	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*09/28/23 13:45*	*09/29/23 13:52*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/28/23 13:45*	*09/29/23 13:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		5.02		mg/Kg			10/02/23 14:04	1

Client Sample ID: Background-1 (6")

Lab Sample ID: 880-33747-2
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 02:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/29/23 16:49*	*10/03/23 02:58*	*1*
1,4-Difluorobenzene (Surr)	*50*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 02:58*	*1*

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: Background-1 (6”)

Lab Sample ID: 880-33747-2
Matrix: Solid

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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			10/03/23 02:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/29/23 14:15	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	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:15*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.3**		5.01		mg/Kg			10/02/23 14:10	1

Client Sample ID: Background-1 (1’)

Lab Sample ID: 880-33747-3
Matrix: Solid

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 03:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/29/23 16:49*	*10/03/23 03:19*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 03:19*	*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			10/03/23 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/29/23 14:37	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	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 14:37	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 14:37	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: Background-1 (1')

Lab Sample ID: 880-33747-3
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:37*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.0**		5.00		mg/Kg			10/02/23 14:30	1

Client Sample ID: V-2 (6")

Lab Sample ID: 880-33747-4
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 03:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/29/23 16:49*	*10/03/23 03:39*	*1*
1,4-Difluorobenzene (Surr)	*48*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 03:39*	*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			10/03/23 03:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/29/23 14:58	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	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:58*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.7**		5.00		mg/Kg			10/02/23 14:37	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-2 (1')

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-5

Matrix: Solid

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		09/29/23 16:49	10/03/23 04:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/29/23 16:49*	*10/03/23 04:00*	*1*
1,4-Difluorobenzene (Surr)	*51*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 04:00*	*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			10/03/23 04:00	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			09/29/23 15:42	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		09/28/23 13:45	09/29/23 15:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/28/23 13:45	09/29/23 15:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/28/23 13:45	09/29/23 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*09/28/23 13:45*	*09/29/23 15:42*	*1*
o-Terphenyl	*100*		*70 - 130*	*09/28/23 13:45*	*09/29/23 15:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.1**		4.99		mg/Kg			10/02/23 14:44	1

Client Sample ID: V-2 (2')

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-6

Matrix: Solid

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		09/29/23 16:49	10/03/23 04:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 04:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*09/29/23 16:49*	*10/03/23 04:20*	*1*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 04:20*	*1*

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-2 (2')

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-6
Matrix: Solid

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			10/03/23 04:20	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			09/29/23 16:04	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		09/28/23 13:45	09/29/23 16:04	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:04*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.9**		4.97		mg/Kg			10/02/23 14:50	1

Client Sample ID: V-3 (6")

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-7
Matrix: Solid

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		09/29/23 16:49	10/03/23 04:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 04:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 04:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 04:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 04:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*09/29/23 16:49*	*10/03/23 04:41*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 04:41*	*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			10/03/23 04:41	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			09/29/23 16:26	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		09/28/23 13:45	09/29/23 16:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:26	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-3 (6")

Lab Sample ID: 880-33747-7
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:26*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.3**		4.98		mg/Kg			10/02/23 14:57	1

Client Sample ID: V-3 (1')

Lab Sample ID: 880-33747-8
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 05:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 05:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 05:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 05:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 05:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*09/29/23 16:49*	*10/03/23 05:01*	*1*
1,4-Difluorobenzene (Surr)	*55*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 05:01*	*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			10/03/23 05:01	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			09/29/23 16:49	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		09/28/23 13:45	09/29/23 16:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/28/23 13:45	09/29/23 16:49	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/28/23 13:45	09/29/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:49*	*1*
o-Terphenyl	*83*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		5.03		mg/Kg			10/02/23 15:03	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-4 (6")

Lab Sample ID: 880-33747-9
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 05:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 05:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/29/23 16:49*	*10/03/23 05:21*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 05:21*	*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			10/03/23 05:21	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			09/29/23 17:10	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		09/28/23 13:45	09/29/23 17:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:10*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.0**		5.05		mg/Kg			10/02/23 15:23	1

Client Sample ID: V-4 (1')

Lab Sample ID: 880-33747-10
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 05:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/29/23 16:49	10/03/23 05:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/29/23 16:49	10/03/23 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*09/29/23 16:49*	*10/03/23 05:42*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*09/29/23 16:49*	*10/03/23 05:42*	*1*

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-4 (1')

Lab Sample ID: 880-33747-10
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/28/23 08:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/03/23 05:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			09/29/23 17:33	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	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:33*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.1**		5.04		mg/Kg			10/02/23 15:30	1

Client Sample ID: H-1 (SURFACE)

Lab Sample ID: 880-33747-11
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 07:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:04*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:04*	*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			10/03/23 07:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/29/23 17:55	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	<50.3	U	50.3		mg/Kg		09/28/23 13:45	09/29/23 17:55	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/28/23 13:45	09/29/23 17:55	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-1 (SURFACE)

Lab Sample ID: 880-33747-11
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/28/23 13:45	09/29/23 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:55*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.3**		5.00		mg/Kg			10/02/23 15:50	1

Client Sample ID: H-2 (SURFACE)

Lab Sample ID: 880-33747-12
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 07:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:25*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:25*	*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			10/03/23 07:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/29/23 18:17	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	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 18:17	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 18:17	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/28/23 13:45*	*09/29/23 18:17*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/28/23 13:45*	*09/29/23 18:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.5**		5.00		mg/Kg			10/02/23 15:57	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-3 (SURFACE)

Lab Sample ID: 880-33747-13
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 07:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:45*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:45*	*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			10/03/23 07:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/29/23 18:39	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	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 18:39	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 18:39	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/28/23 13:45*	*09/29/23 18:39*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/28/23 13:45*	*09/29/23 18:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.5**		4.99		mg/Kg			10/02/23 16:03	1

Client Sample ID: H-4 (SURFACE)

Lab Sample ID: 880-33747-14
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 08:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 08:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 08:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 08:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 08:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/29/23 16:49*	*10/03/23 08:06*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 08:06*	*1*

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-4 (SURFACE)

Lab Sample ID: 880-33747-14
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/28/23 08:40

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			10/03/23 08:06	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			09/29/23 19:01	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		09/28/23 13:45	09/29/23 19:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 19:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*09/28/23 13:45*	*09/29/23 19:01*	*1*
o-Terphenyl	*85*		*70 - 130*	*09/28/23 13:45*	*09/29/23 19:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.0**		4.99		mg/Kg			10/02/23 16:10	1

Surrogate Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-33747-1	V-1 (6")	85	68 S1-
880-33747-1 MS	V-1 (6")	132 S1+	100
880-33747-1 MSD	V-1 (6")	124	86
880-33747-2	Background-1 (6”)	86	50 S1-
880-33747-3	Background-1 (1’)	86	62 S1-
880-33747-4	V-2 (6”)	92	48 S1-
880-33747-5	V-2 (1’)	92	51 S1-
880-33747-6	V-2 (2’)	87	64 S1-
880-33747-7	V-3 (6")	91	62 S1-
880-33747-8	V-3 (1')	93	55 S1-
880-33747-9	V-4 (6")	94	66 S1-
880-33747-10	V-4 (1')	91	71
880-33747-11	H-1 (SURFACE)	86	73
880-33747-12	H-2 (SURFACE)	83	95
880-33747-13	H-3 (SURFACE)	92	91
880-33747-14	H-4 (SURFACE)	96	67 S1-
LCS 880-63672/1-A	Lab Control Sample	120	103
LCSD 880-63672/2-A	Lab Control Sample Dup	118	99
MB 880-63672/5-A	Method Blank	74	89
MB 880-63717/5-A	Method Blank	74	96

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-33747-1	V-1 (6")	113	99
880-33747-2	Background-1 (6”)	123	113
880-33747-3	Background-1 (1’)	117	104
880-33747-4	V-2 (6”)	111	97
880-33747-5	V-2 (1’)	113	100
880-33747-6	V-2 (2’)	108	97
880-33747-7	V-3 (6")	105	93
880-33747-8	V-3 (1')	95	83
880-33747-9	V-4 (6")	104	92
880-33747-10	V-4 (1')	125	107
880-33747-11	H-1 (SURFACE)	120	102
880-33747-12	H-2 (SURFACE)	110	97
880-33747-13	H-3 (SURFACE)	102	89
880-33747-14	H-4 (SURFACE)	97	85
890-5338-A-1-F MS	Matrix Spike	116	94
890-5338-A-1-G MSD	Matrix Spike Duplicate	119	95
LCS 880-63535/2-A	Lab Control Sample	111	128
LCSD 880-63535/3-A	Lab Control Sample Dup	115	125
MB 880-63535/1-A	Method Blank	176 S1+	174 S1+

Surrogate Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-63672/5-A
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/29/23 16:49	10/03/23 02:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*09/29/23 16:49*	*10/03/23 02:17*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/29/23 16:49*	*10/03/23 02:17*	*1*

Lab Sample ID: LCS 880-63672/1-A
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1043		mg/Kg		104	70 - 130
Toluene	0.100	0.1057		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1134		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2346		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1179		mg/Kg		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-63672/2-A
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63672

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09884		mg/Kg		99	70 - 130	5	35
Toluene	0.100	0.09841		mg/Kg		98	70 - 130	7	35
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2185		mg/Kg		109	70 - 130	7	35
o-Xylene	0.100	0.1095		mg/Kg		110	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-33747-1 MS
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: V-1 (6")
Prep Type: Total/NA
Prep Batch: 63672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.08346		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.0996	0.08976		mg/Kg		90	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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

Lab Sample ID: 880-33747-1 MS — **Client Sample ID: V-1 (6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 63714 — **Prep Batch: 63672**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.09418		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1746		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.0996	0.09245		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-33747-1 MSD — **Client Sample ID: V-1 (6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 63714 — **Prep Batch: 63672**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.07666		mg/Kg		77	70 - 130	8	35
Toluene	<0.00200	U	0.0990	0.07920		mg/Kg		80	70 - 130	12	35
Ethylbenzene	<0.00200	U	0.0990	0.09290		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1870		mg/Kg		94	70 - 130	7	35
o-Xylene	<0.00200	U	0.0990	0.09774		mg/Kg		99	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: MB 880-63717/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 63714 — **Prep Batch: 63717**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/02/23 09:19	10/02/23 15:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*10/02/23 09:19*	*10/02/23 15:40*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/02/23 09:19*	*10/02/23 15:40*	*1*

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

Lab Sample ID: MB 880-63535/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 63577 — **Prep Batch: 63535**

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		09/28/23 13:45	09/29/23 08:01	1

QC Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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

Lab Sample ID: MB 880-63535/1-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 08:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 08:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*176*	*S1+*	*70 - 130*	*09/28/23 13:45*	*09/29/23 08:01*	*1*
o-Terphenyl	*174*	*S1+*	*70 - 130*	*09/28/23 13:45*	*09/29/23 08:01*	*1*

Lab Sample ID: LCS 880-63535/2-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1062		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: LCSD 880-63535/3-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63535

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1105		mg/Kg		111	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: 890-5338-A-1-F MS
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 63535

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1293		mg/Kg		125	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1151		mg/Kg		114	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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

Lab Sample ID: 890-5338-A-1-G MSD
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 63535

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1312		mg/Kg		127	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1174		mg/Kg		117	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-63482/1-A
Matrix: Solid
Analysis Batch: 63759

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/02/23 13:10	1

Lab Sample ID: LCS 880-63482/2-A
Matrix: Solid
Analysis Batch: 63759

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-63482/3-A
Matrix: Solid
Analysis Batch: 63759

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	241.8		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-33747-8 MS
Matrix: Solid
Analysis Batch: 63759

Client Sample ID: V-3 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100		252	329.2		mg/Kg		91	90 - 110

Lab Sample ID: 880-33747-8 MSD
Matrix: Solid
Analysis Batch: 63759

Client Sample ID: V-3 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100		252	330.5		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

GC VOA

Prep Batch: 63672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	5035	
880-33747-2	Background-1 (6”)	Total/NA	Solid	5035	
880-33747-3	Background-1 (1’)	Total/NA	Solid	5035	
880-33747-4	V-2 (6”)	Total/NA	Solid	5035	
880-33747-5	V-2 (1’)	Total/NA	Solid	5035	
880-33747-6	V-2 (2’)	Total/NA	Solid	5035	
880-33747-7	V-3 (6")	Total/NA	Solid	5035	
880-33747-8	V-3 (1')	Total/NA	Solid	5035	
880-33747-9	V-4 (6")	Total/NA	Solid	5035	
880-33747-10	V-4 (1')	Total/NA	Solid	5035	
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	5035	
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	5035	
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	5035	
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	5035	
MB 880-63672/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63672/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63672/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33747-1 MS	V-1 (6")	Total/NA	Solid	5035	
880-33747-1 MSD	V-1 (6")	Total/NA	Solid	5035	

Analysis Batch: 63714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	8021B	63672
880-33747-2	Background-1 (6”)	Total/NA	Solid	8021B	63672
880-33747-3	Background-1 (1’)	Total/NA	Solid	8021B	63672
880-33747-4	V-2 (6”)	Total/NA	Solid	8021B	63672
880-33747-5	V-2 (1’)	Total/NA	Solid	8021B	63672
880-33747-6	V-2 (2’)	Total/NA	Solid	8021B	63672
880-33747-7	V-3 (6")	Total/NA	Solid	8021B	63672
880-33747-8	V-3 (1')	Total/NA	Solid	8021B	63672
880-33747-9	V-4 (6")	Total/NA	Solid	8021B	63672
880-33747-10	V-4 (1')	Total/NA	Solid	8021B	63672
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	8021B	63672
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	8021B	63672
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	8021B	63672
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	8021B	63672
MB 880-63672/5-A	Method Blank	Total/NA	Solid	8021B	63672
MB 880-63717/5-A	Method Blank	Total/NA	Solid	8021B	63717
LCS 880-63672/1-A	Lab Control Sample	Total/NA	Solid	8021B	63672
LCSD 880-63672/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63672
880-33747-1 MS	V-1 (6")	Total/NA	Solid	8021B	63672
880-33747-1 MSD	V-1 (6")	Total/NA	Solid	8021B	63672

Prep Batch: 63717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-63717/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 63885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	Total BTEX	
880-33747-2	Background-1 (6”)	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 63885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-3	Background-1 (1')	Total/NA	Solid	Total BTEX	
880-33747-4	V-2 (6")	Total/NA	Solid	Total BTEX	
880-33747-5	V-2 (1')	Total/NA	Solid	Total BTEX	
880-33747-6	V-2 (2')	Total/NA	Solid	Total BTEX	
880-33747-7	V-3 (6")	Total/NA	Solid	Total BTEX	
880-33747-8	V-3 (1')	Total/NA	Solid	Total BTEX	
880-33747-9	V-4 (6")	Total/NA	Solid	Total BTEX	
880-33747-10	V-4 (1')	Total/NA	Solid	Total BTEX	
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	Total BTEX	
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	Total BTEX	
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	Total BTEX	
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 63535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	8015NM Prep	
880-33747-2	Background-1 (6")	Total/NA	Solid	8015NM Prep	
880-33747-3	Background-1 (1')	Total/NA	Solid	8015NM Prep	
880-33747-4	V-2 (6")	Total/NA	Solid	8015NM Prep	
880-33747-5	V-2 (1')	Total/NA	Solid	8015NM Prep	
880-33747-6	V-2 (2')	Total/NA	Solid	8015NM Prep	
880-33747-7	V-3 (6")	Total/NA	Solid	8015NM Prep	
880-33747-8	V-3 (1')	Total/NA	Solid	8015NM Prep	
880-33747-9	V-4 (6")	Total/NA	Solid	8015NM Prep	
880-33747-10	V-4 (1')	Total/NA	Solid	8015NM Prep	
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	8015NM Prep	
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	8015NM Prep	
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	8015NM Prep	
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	8015NM Prep	
MB 880-63535/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63535/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63535/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5338-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5338-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	8015B NM	63535
880-33747-2	Background-1 (6")	Total/NA	Solid	8015B NM	63535
880-33747-3	Background-1 (1')	Total/NA	Solid	8015B NM	63535
880-33747-4	V-2 (6")	Total/NA	Solid	8015B NM	63535
880-33747-5	V-2 (1')	Total/NA	Solid	8015B NM	63535
880-33747-6	V-2 (2')	Total/NA	Solid	8015B NM	63535
880-33747-7	V-3 (6")	Total/NA	Solid	8015B NM	63535
880-33747-8	V-3 (1')	Total/NA	Solid	8015B NM	63535
880-33747-9	V-4 (6")	Total/NA	Solid	8015B NM	63535
880-33747-10	V-4 (1')	Total/NA	Solid	8015B NM	63535
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	8015B NM	63535
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	8015B NM	63535

QC Association Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 63577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	8015B NM	63535
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	8015B NM	63535
MB 880-63535/1-A	Method Blank	Total/NA	Solid	8015B NM	63535
LCS 880-63535/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63535
LCSD 880-63535/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63535
890-5338-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	63535
890-5338-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	63535

Analysis Batch: 63744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	8015 NM	
880-33747-2	Background-1 (6”)	Total/NA	Solid	8015 NM	
880-33747-3	Background-1 (1’)	Total/NA	Solid	8015 NM	
880-33747-4	V-2 (6”)	Total/NA	Solid	8015 NM	
880-33747-5	V-2 (1’)	Total/NA	Solid	8015 NM	
880-33747-6	V-2 (2’)	Total/NA	Solid	8015 NM	
880-33747-7	V-3 (6")	Total/NA	Solid	8015 NM	
880-33747-8	V-3 (1')	Total/NA	Solid	8015 NM	
880-33747-9	V-4 (6")	Total/NA	Solid	8015 NM	
880-33747-10	V-4 (1')	Total/NA	Solid	8015 NM	
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	8015 NM	
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	8015 NM	
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	8015 NM	
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 63482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Soluble	Solid	DI Leach	
880-33747-2	Background-1 (6”)	Soluble	Solid	DI Leach	
880-33747-3	Background-1 (1’)	Soluble	Solid	DI Leach	
880-33747-4	V-2 (6”)	Soluble	Solid	DI Leach	
880-33747-5	V-2 (1’)	Soluble	Solid	DI Leach	
880-33747-6	V-2 (2’)	Soluble	Solid	DI Leach	
880-33747-7	V-3 (6")	Soluble	Solid	DI Leach	
880-33747-8	V-3 (1')	Soluble	Solid	DI Leach	
880-33747-9	V-4 (6")	Soluble	Solid	DI Leach	
880-33747-10	V-4 (1')	Soluble	Solid	DI Leach	
880-33747-11	H-1 (SURFACE)	Soluble	Solid	DI Leach	
880-33747-12	H-2 (SURFACE)	Soluble	Solid	DI Leach	
880-33747-13	H-3 (SURFACE)	Soluble	Solid	DI Leach	
880-33747-14	H-4 (SURFACE)	Soluble	Solid	DI Leach	
MB 880-63482/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63482/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63482/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33747-8 MS	V-3 (1')	Soluble	Solid	DI Leach	
880-33747-8 MSD	V-3 (1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

HPLC/IC

Analysis Batch: 63759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Soluble	Solid	300.0	63482
880-33747-2	Background-1 (6”)	Soluble	Solid	300.0	63482
880-33747-3	Background-1 (1’)	Soluble	Solid	300.0	63482
880-33747-4	V-2 (6”)	Soluble	Solid	300.0	63482
880-33747-5	V-2 (1’)	Soluble	Solid	300.0	63482
880-33747-6	V-2 (2’)	Soluble	Solid	300.0	63482
880-33747-7	V-3 (6")	Soluble	Solid	300.0	63482
880-33747-8	V-3 (1')	Soluble	Solid	300.0	63482
880-33747-9	V-4 (6")	Soluble	Solid	300.0	63482
880-33747-10	V-4 (1')	Soluble	Solid	300.0	63482
880-33747-11	H-1 (SURFACE)	Soluble	Solid	300.0	63482
880-33747-12	H-2 (SURFACE)	Soluble	Solid	300.0	63482
880-33747-13	H-3 (SURFACE)	Soluble	Solid	300.0	63482
880-33747-14	H-4 (SURFACE)	Soluble	Solid	300.0	63482
MB 880-63482/1-A	Method Blank	Soluble	Solid	300.0	63482
LCS 880-63482/2-A	Lab Control Sample	Soluble	Solid	300.0	63482
LCSD 880-63482/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63482
880-33747-8 MS	V-3 (1')	Soluble	Solid	300.0	63482
880-33747-8 MSD	V-3 (1')	Soluble	Solid	300.0	63482

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-1 (6")
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-1
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			5.01 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 02:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 02:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 13:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 13:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:04	CH	EET MID

Client Sample ID: Background-1 (6”)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-2
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			4.97 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 02:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 02:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:10	CH	EET MID

Client Sample ID: Background-1 (1’)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-3
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			5.02 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 03:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 03:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 14:37	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:30	CH	EET MID

Client Sample ID: V-2 (6”)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-4
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			5.03 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 03:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 03:39	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-2 (6”)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-4
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			63744	09/29/23 14:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 14:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:37	CH	EET MID

Client Sample ID: V-2 (1’)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-5
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			5.01 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 04:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 04:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 15:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 15:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:44	CH	EET MID

Client Sample ID: V-2 (2’)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-6
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			4.98 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 04:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 04:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 16:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 16:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:50	CH	EET MID

Client Sample ID: V-3 (6")
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-7
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			5.02 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 04:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 04:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 16:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 16:26	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-3 (6")
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-7
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	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:57	CH	EET MID

Client Sample ID: V-3 (1')
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-8
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			5.03 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 05:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 05:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 16:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 16:49	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:03	CH	EET MID

Client Sample ID: V-4 (6")
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-9
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 05:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 05:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 17:10	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:23	CH	EET MID

Client Sample ID: V-4 (1')
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-10
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			4.99 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 05:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 05:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 17:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 17:33	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:30	CH	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-1 (SURFACE)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-11
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 07:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 07:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 17:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 17:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:50	CH	EET MID

Client Sample ID: H-2 (SURFACE)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-12
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 07:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 07:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 18:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 18:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:57	CH	EET MID

Client Sample ID: H-3 (SURFACE)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-13
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 07:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 07:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 18:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 18:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 16:03	CH	EET MID

Client Sample ID: H-4 (SURFACE)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-14
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 08:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 08:06	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-4 (SURFACE)

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-14

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			63744	09/29/23 19:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 19:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 16:10	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: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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	T104704400-23-26	06-30-24

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: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33747-1	V-1 (6")	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-2	Background-1 (6”)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-3	Background-1 (1’)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-4	V-2 (6”)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-5	V-2 (1’)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-6	V-2 (2’)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-7	V-3 (6")	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-8	V-3 (1')	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-9	V-4 (6")	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-10	V-4 (1')	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-11	H-1 (SURFACE)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-12	H-2 (SURFACE)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-13	H-3 (SURFACE)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-14	H-4 (SURFACE)	Solid	09/25/23 00:00	09/28/23 08:40

Chain of Custody

NTG ENVIRONMENTAL

880-33747 Chain of Custody

Page 1 of 1

12/5/2023 (Rev. 1)

Project Manager:	ETHAN SESSUMS	Bill to: (if different)	
Company Name	NTG Environmental	Company Name	
Address:	209 w McKay st	Address:	
City, State ZIP	carlsbad new mexico	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 ☐ TRRP ☐ Level IV ☐

Deliverables EDD X ADaPT ☐ Other:

Project Name:	devon, west red lake	Turn Around	
Project Number:	217811	☑ Routine ☐ Rush	
Project Location	eddy, county	Due Date	Standard
Sampler's Name	alex gavia	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	116
Cooler Custody Seals	Yes No N/A	Correction Factor:	-0.3
Sample Custody Seals.	Yes No N/A	Temperature Reading	2.6
Total Containers.		Corrected Temperature.	2.3

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
V-1 (6")	9/25/2023		X		G	1	X	X	X		402
V-2 (6")	9/25/2023		X		G	1	X	X	X		
V-2 (1')	9/25/2023		X		G	1	X	X	X		
V-3 (6")	9/25/2023		X		G	1	X	X	X		
V-3 (1')	9/25/2023		X		G	1	X	X	X		
V-3 (2')	9/25/2023		X		G	1	X	X	X		
V-4 (6")	9/25/2023		X		G	1	X	X	X		
V-4 (1')	9/25/2023		X		G	1	X	X	X		
V-5 (6")	9/25/2023		X		G	1	X	X	X		
V-5 (1')	9/25/2023		X		G	1	X	X	X		

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	

Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
alex gavia		9/28/23 0840	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Received by OCD: 5/7/2024 11:12:44 AM

Released to Imaging: 5/10/2024 11:00:40 AM

Chain of Custody

NTG ENVIRONMENTAL

Loc: 880

Work Order No: 33747

Page 2 of 2

Project Manager:	ETHAN SESSUMS	Bill to. (if different)	
Company Name:	NTG Environmental	Company Name.	
Address	209 w McKay st	Address.	
City, State ZIP	carlsbad new mexico	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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD X ADaPT ☐ Other:

Project Name.	devon, west red lake	Turn Around	
Project Number:	217811	☑ Routine	☐ Rush
Project Location	eddy, county	Due Date	Standard
Sampler's Name.	alex gavia	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No N/A	Correction Factor:	-0.3
Sample Custody Seals.	Yes No N/A	Temperature Reading:	2.0
Total Containers.		Corrected Temperature:	2.3

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	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
H-1 (SURFACE)	9/25/2023		X		G	1	X	X	X		
H-2 (SURFACE)	9/25/2023		X		G	1	X	X	X		
H-3 (SURFACE)	9/25/2023		X		G	1	X	X	X		
H-4 (SURFACE)	9/25/2023		X		G	1	X	X	X		

Pres. Code / Parameters

Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
alex gavia		9/26/23 0800	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

12/5/2023 (Rev. 1)

Received by OCD: 5/7/2024 11:12:44 AM

Released to Imaging: 5/10/2024 11:00:40 AM

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-33747-1
SDG Number: Eddy County

Login Number: 33747
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

CARDINAL Laboratories

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

December 06, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: WEST RED LAKE UNIT #072

Enclosed are the results of analyses for samples received by the laboratory on 11/21/23 13:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
V - 1 1-1.5	H236339-01	Soil	20-Nov-23 10:00	21-Nov-23 13:15
V - 1 2-2.5	H236339-02	Soil	20-Nov-23 10:03	21-Nov-23 13:15
V - 1 3-3.5	H236339-03	Soil	20-Nov-23 10:06	21-Nov-23 13:15
BACKGROUND - 1 1-1.5	H236339-04	Soil	20-Nov-23 10:09	21-Nov-23 13:15
BACKGROUND - 1 2-2.5	H236339-05	Soil	20-Nov-23 10:12	21-Nov-23 13:15
BACKGROUND - 1 3-3.5	H236339-06	Soil	20-Nov-23 10:15	21-Nov-23 13:15
BACKGROUND - 1 4-4.5	H236339-07	Soil	20-Nov-23 10:18	21-Nov-23 13:15
V - 2 2-2.5	H236339-08	Soil	20-Nov-23 10:21	21-Nov-23 13:15
V - 3 1-1.5	H236339-09	Soil	20-Nov-23 10:24	21-Nov-23 13:15
V - 3 2-2.5	H236339-10	Soil	20-Nov-23 10:27	21-Nov-23 13:15
V - 3 3-3.5	H236339-11	Soil	20-Nov-23 10:30	21-Nov-23 13:15
V - 3 4-4.5	H236339-12	Soil	20-Nov-23 10:33	21-Nov-23 13:15
V - 4 1-1.5	H236339-13	Soil	20-Nov-23 10:36	21-Nov-23 13:15
V - 4 2-2.5	H236339-14	Soil	20-Nov-23 10:39	21-Nov-23 13:15

12/06/23 - Client requested sample ID changes (see COC). This is the revised report and will replace the one sent on 11/27/23.

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 1 1-1.5

H236339-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**480**		16.0	mg/kg	4	3112224	AC	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*3112126*	JH/	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*83.4 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*85.1 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 1 2-2.5

H236339-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**496**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*3112126*	JH/	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*84.5 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.3 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 1 3-3.5

H236339-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**224**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*3112126*	JH/	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*83.3 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*85.5 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

BACKGROUND - 1 1-1.5

H236339-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**672**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*3112126*	JH/	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*84.6 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.8 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

BACKGROUND - 1 2-2.5

H236339-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**480**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*81.2 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.2 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

BACKGROUND - 1 3-3.5

H236339-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**928**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112121	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112121	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112121	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*82.4 %*	*48.2-134*		*3112121*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*75.0 %*	*49.1-148*		*3112121*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

BACKGROUND - 1 4-4.5

H236339-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1360**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*87.5 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.5 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 2 2-2.5

H236339-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*119 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*77.4 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*69.6 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 3 1-1.5

H236339-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*96.1 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.1 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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V - 3 2-2.5

H236339-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*96.2 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.4 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 3 3-3.5

H236339-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*118 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*83.8 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.4 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 3 4-4.5

H236339-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*84.4 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.7 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

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V - 4 1-1.5

H236339-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*87.9 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.5 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

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V - 4 2-2.5

H236339-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*96.4 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*87.7 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3112224 - 1:4 DI Water										
Blank (3112224-BLK1)				Prepared & Analyzed: 22-Nov-23						
Chloride	ND	16.0	mg/kg							
LCS (3112224-BS1)				Prepared & Analyzed: 22-Nov-23						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (3112224-BSD1)				Prepared & Analyzed: 22-Nov-23						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
Batch 3112226 - 1:4 DI Water										
Blank (3112226-BLK1)				Prepared & Analyzed: 22-Nov-23						
Chloride	ND	16.0	mg/kg							
LCS (3112226-BS1)				Prepared & Analyzed: 22-Nov-23						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3112226-BSD1)				Prepared & Analyzed: 22-Nov-23						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

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 3112126 - Volatiles										
Blank (3112126-BLK1)				Prepared & Analyzed: 21-Nov-23						
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)	*ND*		mg/kg	*0.0500*		*98.9*	*71.5-134*			
LCS (3112126-BS1)				Prepared & Analyzed: 21-Nov-23						
Benzene	1.97	0.050	mg/kg	2.00		98.6	82.8-130			
Toluene	1.85	0.050	mg/kg	2.00		92.4	86-128			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.4	85.9-128			
m,p-Xylene	3.88	0.100	mg/kg	4.00		97.1	89-129			
o-Xylene	1.96	0.050	mg/kg	2.00		97.9	86.1-125			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0507*		mg/kg	*0.0500*		*101*	*71.5-134*			
LCS Dup (3112126-BSD1)				Prepared & Analyzed: 21-Nov-23						
Benzene	2.08	0.050	mg/kg	2.00		104	82.8-130	5.48	15.8	
Toluene	2.06	0.050	mg/kg	2.00		103	86-128	11.1	15.9	
Ethylbenzene	2.17	0.050	mg/kg	2.00		109	85.9-128	11.8	16	
m,p-Xylene	4.38	0.100	mg/kg	4.00		110	89-129	12.0	16.2	
o-Xylene	2.19	0.050	mg/kg	2.00		110	86.1-125	11.3	16.7	
Total Xylenes	6.57	0.150	mg/kg	6.00		110	88.2-128	11.8	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0527*		mg/kg	*0.0500*		*105*	*71.5-134*			
Batch 3112127 - Volatiles										
Blank (3112127-BLK1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
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							

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

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 3112127 - Volatiles										
Blank (3112127-BLK1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0579*		mg/kg	*0.0500*		*116*	*71.5-134*			
LCS (3112127-BS1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
Benzene	2.00	0.050	mg/kg	2.00		100	82.8-130			
Toluene	2.10	0.050	mg/kg	2.00		105	86-128			
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	85.9-128			
m,p-Xylene	4.30	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.05	0.050	mg/kg	2.00		102	86.1-125			
Total Xylenes	6.35	0.150	mg/kg	6.00		106	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0560*		mg/kg	*0.0500*		*112*	*71.5-134*			
LCS Dup (3112127-BSD1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
Benzene	2.05	0.050	mg/kg	2.00		102	82.8-130	2.17	15.8	
Toluene	2.16	0.050	mg/kg	2.00		108	86-128	2.70	15.9	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128	2.18	16	
m,p-Xylene	4.40	0.100	mg/kg	4.00		110	89-129	2.28	16.2	
o-Xylene	2.12	0.050	mg/kg	2.00		106	86.1-125	3.50	16.7	
Total Xylenes	6.52	0.150	mg/kg	6.00		109	88.2-128	2.67	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0557*		mg/kg	*0.0500*		*111*	*71.5-134*			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

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 3112121 - General Prep - Organics										
Blank (3112121-BLK1)				Prepared & Analyzed: 21-Nov-23						
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	*50.0*		mg/kg	*50.0*		*100*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*45.8*		mg/kg	*50.0*		*91.5*	*49.1-148*			
LCS (3112121-BS1)				Prepared & Analyzed: 21-Nov-23						
GRO C6-C10	211	10.0	mg/kg	200		106	66.4-123			
DRO >C10-C28	197	10.0	mg/kg	200		98.6	66.5-118			
Total TPH C6-C28	409	10.0	mg/kg	400		102	77.6-123			
Surrogate: 1-Chlorooctane	*48.8*		mg/kg	*50.0*		*97.5*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*47.0*		mg/kg	*50.0*		*94.0*	*49.1-148*			
LCS Dup (3112121-BSD1)				Prepared & Analyzed: 21-Nov-23						
GRO C6-C10	209	10.0	mg/kg	200		104	66.4-123	1.33	17.7	
DRO >C10-C28	197	10.0	mg/kg	200		98.4	66.5-118	0.236	21	
Total TPH C6-C28	405	10.0	mg/kg	400		101	77.6-123	0.799	18.5	
Surrogate: 1-Chlorooctane	*51.8*		mg/kg	*50.0*		*104*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*50.6*		mg/kg	*50.0*		*101*	*49.1-148*			
Batch 3112123 - General Prep - Organics										
Blank (3112123-BLK1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
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	*46.9*		mg/kg	*50.0*		*93.8*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*47.7*		mg/kg	*50.0*		*95.4*	*49.1-148*			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

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 3112123 - General Prep - Organics										
LCS (3112123-BS1)				Prepared & Analyzed: 21-Nov-23						
GRO C6-C10	204	10.0	mg/kg	200		102	66.4-123			
DRO >C10-C28	201	10.0	mg/kg	200		101	66.5-118			
Total TPH C6-C28	405	10.0	mg/kg	400		101	77.6-123			
Surrogate: 1-Chlorooctane	*47.7*		mg/kg	*50.0*		*95.5*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*46.8*		mg/kg	*50.0*		*93.6*	*49.1-148*			
LCS Dup (3112123-BSD1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
GRO C6-C10	197	10.0	mg/kg	200		98.3	66.4-123	3.84	17.7	
DRO >C10-C28	193	10.0	mg/kg	200		96.6	66.5-118	3.94	21	
Total TPH C6-C28	390	10.0	mg/kg	400		97.5	77.6-123	3.89	18.5	
Surrogate: 1-Chlorooctane	*49.4*		mg/kg	*50.0*		*98.8*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.6*		mg/kg	*50.0*		*97.2*	*49.1-148*			
Batch 3112204 - General Prep - Organics										
Blank (3112204-BLK1)				Prepared & Analyzed: 22-Nov-23						
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	*46.2*		mg/kg	*50.0*		*92.4*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*42.7*		mg/kg	*50.0*		*85.4*	*49.1-148*			
LCS (3112204-BS1)				Prepared & Analyzed: 22-Nov-23						
GRO C6-C10	216	10.0	mg/kg	200		108	66.4-123			
DRO >C10-C28	203	10.0	mg/kg	200		101	66.5-118			
Total TPH C6-C28	418	10.0	mg/kg	400		105	77.6-123			
Surrogate: 1-Chlorooctane	*54.3*		mg/kg	*50.0*		*109*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*52.2*		mg/kg	*50.0*		*104*	*49.1-148*			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

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 3112204 - General Prep - Organics										
LCS Dup (3112204-BSD1)				Prepared & Analyzed: 22-Nov-23						
GRO C6-C10	209	10.0	mg/kg	200		104	66.4-123	3.21	17.7	
DRO >C10-C28	191	10.0	mg/kg	200		95.5	66.5-118	5.90	21	
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123	4.50	18.5	
Surrogate: 1-Chlorooctane	*51.9*		mg/kg	*50.0*		*104*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*49.0*		mg/kg	*50.0*		*97.9*	*49.1-148*			

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Notes and Definitions

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

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NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H236339

Page 1 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
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:	West Red Lake Unit #072	Turn Around	
Project Number:	237811	☑ Routine ☐ Rush	
Project Location	Eddy, Co	Due Date:	
Sampler's Name:	Clayton Tumas	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	1094698801		

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.9°C
Total Containers:	14	Corrected Temperature:	

ANALYSIS REQUEST

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
1 V-1	1-1.5	11/20/2023	10:00	X		Grab	1	X	X	X		
2 V-1	2-2.5	11/20/2023	10:03	X		Grab	1	X	X	X		
3 V-1	3-3.5	11/20/2023	10:06	X		Grab	1	X	X	X		
4 ~~V-2~~ Background-1	1-1.5	11/20/2023	10:09	X		Grab	1	X	X	X		
5 ~~V-2~~ Background-1	2-2.5	11/20/2023	10:12	X		Grab	1	X	X	X		
6 ~~V-2~~ Background-1	3-3.5	11/20/2023	10:15	X		Grab	1	X	X	X		
7 ~~V-2~~ Background-1	4-4.5	11/20/2023	10:18	X		Grab	1	X	X	X		
8 ~~V-3~~ 2	2-2.5	11/20/2023	10:21	X		Grab	1	X	X	X		
9 ~~V-4~~ 3	1-1.5	11/20/2023	10:24	X		Grab	1	X	X	X		
10 ~~V-4~~ 3	2-2.5	11/20/2023	10:27	X		Grab	1	X	X	X		

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

Additional Comments: * Customer requested Sample ID changes. TO 12/5/23

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	Tamara Wilderson	11-21-23 1315	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 5/7/2024 11:12:44 AM

Released to Imaging: 5/10/2024 11:00:40 AM

NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H236339

Page 2 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
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:	West Red Lake Unit #072	Turn Around	
Project Number:	237811	☑ Routine ☐ Rush	
Project Location	Eddy, Co	Due Date:	
Sampler's Name:	Clayton Tumas	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	1094698801		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.9°
Total Containers:	14	Corrected Temperature:	

ANALYSIS REQUEST

	Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
11	V-4 3	3-3.5	11/20/2023	10:30	X		Grab	1	X	X	X		
12	V-4 3	4-4.5	11/20/2023	10:33	X		Grab	1	X	X	X		
13	V-5 4	1-1.5	11/20/2023	10:36	X		Grab	1	X	X	X		
14	V-5 4	2-2.5	11/20/2023	10:39	X		Grab	1	X	X	X		

Pres. Code / Parameters

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	

Additional Comments: * Customer requested Sample ID changes. TO - 12/5/23

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
1	[signature]	Tamara Oldaker	11-21-23 1315	2			
3				4			
5				6			

Revised Date 05012020 Rev. 2020.1

Received by OCD: 5/7/2024 11:12:44 AM

Released to Imaging: 5/10/2024 11:00:40 AM

402 E. Wood Avenue
Carlsbad, New Mexico 88220
Tel. 432.701.2159
www.ntgenvironmental.com

February 16, 2024

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

Re: Closure, Reclamation and Revegetation Report
West Red Lake Unit #072
Devon Energy Production Company
API 30-015-28941
Unit F, S08, T18S, R27E
Site Coordinates: 32.7656517, -104.3021774
Eddy County, New Mexico
Incident ID: nMCS0318226779

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Closure Request, Reclamation and Revegetation Report for the New Mexico Oil Conservation Division (NMOCD) District 2 Office in Artesia, New Mexico for documentation of site assessment, remedial action activities, and analysis at the West Red Lake Unit #072 (Site). The Site is located 7.69 miles Southeast of Artesia, New Mexico in Unit Letter F, Section 08 of Township 18 South and Range 28 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.7656517° N latitude and 104.3021774° W Longitude. Figure 1 depicts the site location with respect to the nearest town and Figure 2 shows the topographic map of the site.

Background

Based on the initial C-141 (attached) obtained from the NMOCD, the release happened on June 5th, 2003 causing a fiberglass line to separate and spill a produced water on a draw and pasture. Approximately 400 barrels (bbls) of produced water were released of which 70 bbls were recovered for a net loss of 330 bbls of produced water. Upon discovery, the damaged line was shut in and repaired with standing fluids removed with a vacuum truck. The release area is shown on Figure 3.

Site Characterization

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 13 (NMAC 19.15.29.13).

The Site is located in a High Karst area. Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there is one known water source within a ½-mile radius of the Site. The nearest identified well LWD 0256 is located within ½-mile radius of the Site in Sec 8 T18S R27E, however neither total depth nor depth to groundwater of this livestock water hole has been provided to the NMOSE. A copy of the site characterization information and the associated NMOSE summary report

is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in NMAC 19.15.29.13, the following criteria are applicable to the Site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

Site Assessment

On September 25th, 2023, and November 20th, 2023, NTG Environmental, LLC (NTGE) conducted site assessment activities to determine the presence/extent of impacts at the Site. A total of four (4) vertical sample points (V-1 through V-4), as well as four (4) horizontal sample points (H-1 through H-4) were installed within the release area to characterize the impacts. One (1) background sample point (Background-1) was installed outside of the release area to determine background level of chloride concentrations due to the abundance of gypsum in the area of concern. Soil samples were collected in 0.5 to 1 foot (ft) intervals at depths ranging from 0.5 to 4.5 feet below ground surface (ft bgs) with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown on Figure 3.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Eurofins Laboratory in Carlsbad, NM. Soil samples were collected and analyzed for the following:

- TPH (EPA method 8015 modified),
- BTEX (EPA Method 8021B), and
- Chloride (method SM4500Cl-B).

Analytical Results

Analytical results indicated that all constituents of concern concentrations for samples V-1 through V-4 and H-1 through H-4 were below the Table I Closure Criteria across the release area at all depths. Samples collected from Background-1 test point were above the Table I Closure Criteria for chloride concentration at depths ranging from 1 to 4.5 ft bgs thus indicating natural presence of high saline concentrations in the soil. Laboratory reports containing analytical methods and chain-of-custody documents are attached. All analytical laboratory results are included in Table 1.

Reclamation Review

According to the NMOCD, on April 22nd, 2008, the well API 30-015-28941 was plugged and abandoned, and the site was released. Reseeding of the reclaimed area occurred in early 2009, after the site had been released. The soil The Site was reseeded with Bureau of Land Management (BLM) approved seed mixture #2 following remediation activities and backfill. On December 5th, 2023, NTGE scientists assessed the current state of the reclamation at API 30-015-28941 (West Red Lake Unit #072). The soil mixture used at the Site correlates with surrounding GA – gypsum land soil type found in proximity outside of the

reclaimed area and the top layer of suitable material allowed to establish a successful revegetation at the Site. The Soil Survey Map is attached to the report.

Revegetation Review

After reseeding with the BLM approved seed mix #2, the area has been reclaimed and revegetated successfully, as shown by the total plant cover of more than 70 percent (70%). Reseeded plants have formed a uniform vegetative cover and a life-form ratio of restored area is higher than 50% of pre-disturbance levels. NTGE scientists identified that all the plants found in the reclaimed area comprise native grasses (*Bouteloua gracilis, Sporobolus airoides, Setaria leucopila*), native shrubs (*Atriplex canescens, Larrea tridentata, Opuntia macrocentra, Yucca harrimaniae)* and native forbs (*Erodium spp.*) All species mentioned above are native and closely match a background community surveyed outside of the site. All vegetation is established in healthy populations, preventing soil erosion and water-run off potential. No noxious weeds have been found within the restored area. The evidence of the successful reclamation and revegetation can be seen in the Photographic Log attached to the report. Surface owner (BLM) confirmed and approved the successful restoration of the site. Associated correspondence from BLM is attached to the report.

Closure Request

Based on the site assessment, the site is compliant with the regulatory limits, the restoration of the site to its natural grade has been successful and no further actions are required at the site. A copy of the C- 141 is attached, and Devon formally requests a no further action designation for the Site. If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,
NTG Environmental

Ethan Sessums
Project Manager

Dmitry Nikanorov
Project Scientist

Attachments:

- Initial And Final C-141
- Site Characterization Information
- Tables
- Figures
- Photographic Log
- Soil Survey
- Laboratory Reports and Chain-of-Custody Documents

Ethan Sessums

From: Morgan, Crisha A <camorgan@blm.gov>
Sent: Monday, April 1, 2024 4:26 PM
To: Ethan Sessums
Subject: Re: [EXTERNAL] FW: For West Red Lake 072 Revegetation BLM Approval

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

Bureau of Land Management

The Bureau of Land Management, responded to the initial release on 09/09/2003, conducting an inspection of the impact of the release. A Supervisory EPS/PET was on site for most of the spill remediation process and closure of the event. The well was Plugged and Abandoned on 04/17/2008. The abandoned well location was placed into a monitoring status until a Final Abandonment inspection on 09/23/22 was conducted. At that time it was determined that the location and associated release met the BLMs standards for spill closure. At that time it was determined that the location was stable at around 35% revegetation success of the entire pad and placed into monitoring, where it will stay until the operator submits for Final Abandonment. As of that date the BLM considers all matters associated with the West Red Lake 72 incident/spill nMCS0318226779 closed. The location will remain in ABD status until a subsequent report for FAN is submitted for the entire pad and any other associated disturbance related to the West Red Lake 72.

Please let me know if you have any additional questions.

Crisha A. Morgan |Certified - Environmental Protection Specialist | Program Officer|COR| Spills Coordinator| Orphaned & Idled Well POC Lead
Bureau of Land Management | Carlsbad Field Office
620 E. Greene Street Carlsbad, NM 88220
Cell 575-200-8648 | Office 575-234-5987 |camorgan@blm.gov

INITIAL C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: _____

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 9/7/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 261848

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 261848
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/7/2023

SITE CHARACTERIZATION INFORMATION

NMOCD Closure Criteria

West Red Lake Unit #072

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater (ft bgs)	N/A	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	526	Intermittent stream- National Wetlands Inventory (NWS)
Horizontal Distance to Nearest Significant Watercourse (ft)	>2680	National Wetlands Inventory (NWS)

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater (ft)		**Closure Criteria (mg/kg)**				
		Chloride*	**TPH**	**GRO + DRO**	**BTEX**	**Benzene**
< 50	X	600	100	--	50	10
51 - 100		10,000	2,500	1,000	50	10
>100		20,000	2,500	1,000	50	10
Surface Water	**Yes/No**	**in yes, then**				
<300 ft from a continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200 ft from a lakebed, sinkhole, or playa lake?	No					
Water Well or Water Source						
<500 ft from a spring or a private, domestic fresh waster well used by less that 5 households for domestic or livestock purposes?	No					
<1,000 ft from a fresh water well or spring?	No					
Human and Other Area						
<300 ft from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100 ft from a wetland?	No					
Within an area overlying a subsurface mine?	No					
Within and unstable area?	Yes					
Within a 100 yr floodplain?	No					

* - numerical limit or background, whichever is greater

OCD Well Locations

2/16/2024, 2:32:29 PM

1:4,514

0 0.03 0.07 0.13 mi

0 0.05 0.1 0.2 km

Override 1

Wells - Large Scale

Injection, Active

Injection, Plugged

Oil, Active

Oil, Cancelled

Oil, Plugged

Karst Occurrence Potential

High

PLSS Second Division

PLSS First Division

BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD, Maxar, BLM

New Mexico Oil Conservation Division

5/10/2024, 11:06:40 AM https://nmnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

OSE POD Location Map

9/11/2023, 5:00:45 PM

GIS WATERS PODs

- Active
- Pending

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar

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

Renbrd:
LWD-2561
(74811)

STATE ENGINEER OFFICE

DECLARATION OF OWNERSHIP OF LIVESTOCK WATER DAM OR TANK
(Note: Read Instructions on Back of Form)

Date of Receipt May 19, 1992 Declaration No. ~~LWD-RA-83~~

1. Name of Declarant J. W. Gissler Post Office Box 987, Artesia
County of Eddy State of New Mexico 88210

2. Dam or tank is located in the NW ¼ SE ¼ NW of
Section 8, Township 18S, Range 27E, on N/A,
a tributary of Pecos River, and is on Federal
(State, Federal, Declarants)
property.
Water is stored for Stock Water purposes.
(stock water, if other uses so state)
Topography of drainage basin, Undulating
(steep, rough, rolling, undulating, flat)
Approximate area of drainage basin above dam is square miles 3
Vegetative cover of drainage basin, Shrubs, Grass
(forest, woodland, shrubs, grass, bare)
Is watercourse normally dry, Yes
(yes or no)

3. Approximate physical properties of storage dam: height of dam above streambed, or natural ground N/A feet; height of spillway flowline above streambed, or natural ground N/A feet; length of top of dam, N/A feet; width of crest, N/A feet; slope of upstream face, N/A horizontal to 1.0 vertical; slope of downward face, N/A horizontal to 1.0 vertical; nature of riprap or other protection placed over water face of dam, N/A

Give type, size and maximum discharge of outlet pipe, if any, and type of gate used (if none say none). None

Maximum water surface area .1 acres; storage capacity .25 acre feet; dam contains approximately N/A cubic yards of earth.

4. Approximate physical properties of spillway; bottom width N/A feet; maximum depth of flow N/A feet; discharge capacity N/A cubic feet per second; spillway is located in Grassed Earth
(rock, shale, clay, grassed earth, bare earth, etc)

5. Dam or tank was constructed under the supervision of N/A
(name agency, declarant or engineer)
and was completed in N/A (give date)
Name of contractor that built dam N/A

6. Additional information This is a natural water hole that has provided water to domestic livestock prior to 1907

'92 MAY 19 AM 11 04
STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

FILED
UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM. ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

DECLARANT'S CERTIFICATE

I hereby certify that I have read the foregoing statements and know the contents thereof and representations thereon, and that the same are true to the best of my knowledge and belief.

5-11-92
Date

J. W. Gessler
Declarant

Subscribed and sworn to before me this 11 day of May, 1992

May 30 1994
My Commission Expires

Ellen McGill
Notary Public

INSTRUCTIONS

This Declaration shall be executed in triplicate and shall be accompanied by a $1.00 filing fee and submitted to the nearest district office of State Engineer. (Offices are located in Santa Fe, Albuquerque, Roswell and Deming, New Mexico.)

All blanks should be completed as accurately as possible and if figures are estimated add the word "estimated" next to the value. Should any item requested be unknown so state on the form.

If tank or dam is filled by a diversion ditch or well, explain under Item 6 giving the known information on the ditch or well.

Should the dam or tank being declared have been constructed to replace an older structure so note under Item 6 giving the known information on original. (Information needed is location with respect to present structure, its capacity and date of completion.)

if the space on form is not adequate, attach supplemental sheets to form.

If possible, Declaration should also be accompanied by affidavits of persons who have first hand knowledge of the history of the works or by other evidence sufficient to substantiate the claim.

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ
STATE ENGINEER

ROSWELL

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

May 22, 1992

FILES: 03548; RA-5520; RA-8047 thru RA-8052;
LWD-RA-83 thru LWD-RA-88

J.W. Gissler
c/o Bud Eppers
Dunlap Route, Box 1139
Roswell, NM 88201

Dear Sir:

Enclosed are your copies of Declaration of Ownership of Water Right Perfected Prior to March 19, 1907, Declaration of Owner of Underground Water Right, and Declaration of Ownership of Livestock Water Dam or Tank as numbered above, which have been accepted for filing in the office of the State Engineer.

Please refer to these numbers in all future correspondence concerning these declarations.

The acceptance for filing of these declarations does not indicate affirmation or rejection of the statements contained therein.

Sincerely,

Richard C. Cibak
Pecos River Basin Supervisor

tg
Enclosure
cc: Santa Fe
Hydro Section

Renbrd:
LWD-2541
674811

INVESTIGATIVE REPORT

DATE: May 26, 1992

TO: File LWD-RA-83

FROM: Mike Stapleton, Water Resource Technician III

SUBJECT: Livestock Watering Dam

SUBDIVISION	SECTION	TOWNSHIP	RANGE	ACRES
NW¼SE¼NW¼	8	18S	27E	

USE: Livestock Watering

YES	NO	N/A	
X			Same Physical Properties as Declared
X			Natural Lake Bed (Pit Tank)
	X		Irrigation Use (Potential)
	X		Shown on Quadrangle Map _____
X			Holding Water
X			In Use as Declared

STATEMENTS: Field investigation conducted May 26, 1992, revealed that this LWD holds rain water runoff.

Mike Stapleton
Mike Stapleton
Water Resource Technician III

MS/tg
cc: Santa Fe
Hydro Section

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ
STATE ENGINEER

ROSWELL

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

June 4, 1992

FILE: 03548; LWD-RA-83; LWD-RA-87; LWD-RA-88;
RA-5520; RA-8047; RA-8049 thru RA-8052

J.W. Gissler
Box 987
Artesia, NM 88210

Dear Mr. Gissler:

Enclosed are your copies of "Investigative Reports" prepared for use by the State Engineer Office in conjunction with the Declarations of Ownership of Livestock Water Dam or Tank; Declarations of Owner of Underground Water Right; and Declaration of Ownership of Water Right Perfected Prior to March 19, 1907, which you recently filed.

If you have any questions about these reports or feel that you have additional information available which might clarify certain points, please contact either Craig Hipple or me.

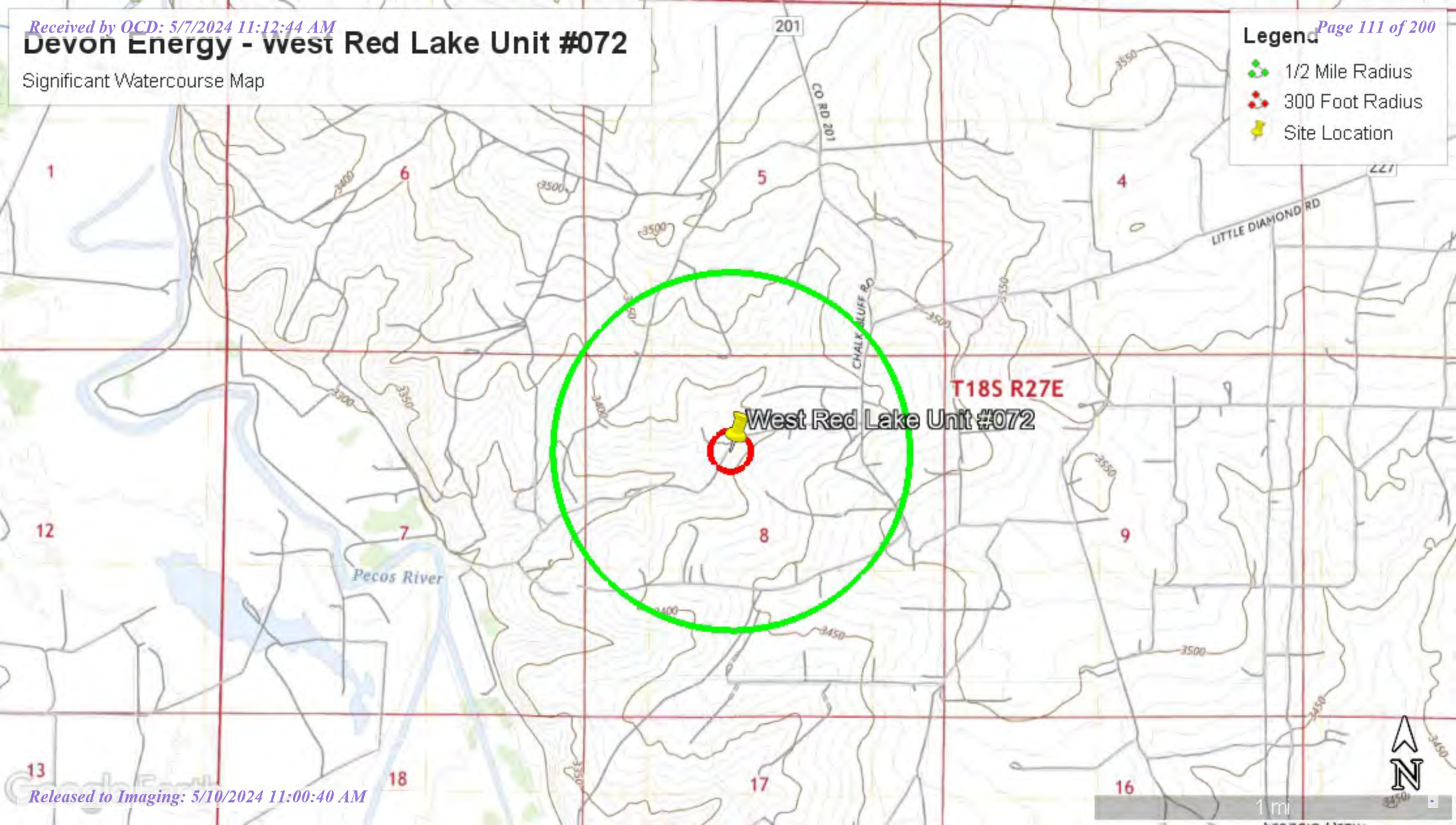
Sincerely,

Richard C. Cibak
Pecos River Basin Supervisor

tg
Enclosures
cc: Santa Fe
Hydro Section

Devon Energy - West Red Lake Unit #072

Significant Watercourse Map



Received by OCD: 5/7/2024 11:12:44 AM

U.S. Fish and Wildlife Service
National Wetlands Inventory

West Red Lake Unit #072

September 11, 2023

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

Released to Imaging: 5/10/2024 11:00:40 AM

Received by OCD: 5/7/2024 11:12:44 AM

National Flood Hazard Layer FIRMette

FEMA

104°18'27"W 32°46'11"N

104°17'49"W 32°45'41"N

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

1:6,000

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
- B 20.2 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 Coastal Transect
- 513 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 9/11/2023 at 6:15 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.

Released to Imaging: 5/10/2024 11:00:40 AM

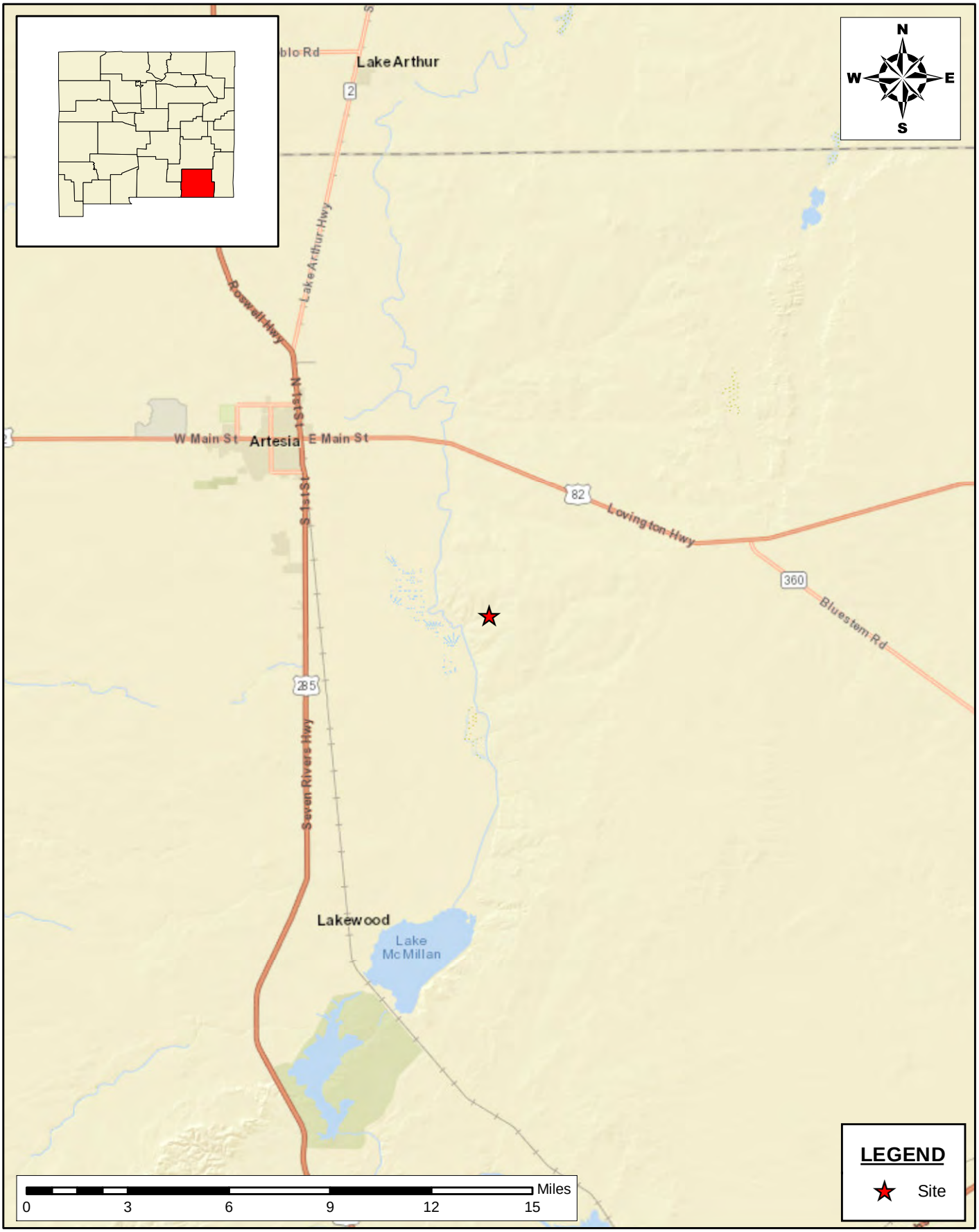
TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
West Red Lake Unit #072
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH GRO (C6-C10)	TPH DRO (C10-C28)	TPH GRO + DRO (C6-C35)	TPH MRO (C28-C35)	TPH Total GRO/DRO/MRO (C6-C35)	Chloride
			(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 ≤ 50 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	09/25/23	6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	**102**
	09/25/23	1'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	**31.3**
	11/20/23	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**480**
	11/20/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**496**
	11/20/23	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**224**
V-2	09/25/23	6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	**25**
	09/25/23	1'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	**99.1**
	09/25/23	2'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	**94.9**
	11/20/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
V-3	04/01/00	6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**92.3**
	09/25/23	1'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	**100**
	11/20/23	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16**
	11/20/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
	11/20/23	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16**
	11/20/23	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16**
V-4	09/25/23	6"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.5	<49.5	<49.5	<49.5	<49.5	**67**
	09/25/23	1'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**77**
	11/20/23	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	11/20/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
Background Samples													
Background-1	9/25/2023	6"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	**31.3**
	9/25/2023	1'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	**33**
	11/20/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**672**
	11/20/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**480**
	11/20/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**928**
	11/20/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**1,360**
Horizontal Delineation Samples													
H-1	09/25/23	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	**88.3**
H-2	09/25/23	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	**75.5**
H-3	09/25/23	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	**89.5**
H-4	09/25/23	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**78.0**

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

FIGURES



SITE LOCATION MAP
SITE CLOSURE REPORT
WEST RED LAKE UNIT #072
DEVON ENERGY PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO
32.7656517°, -104.3021774°

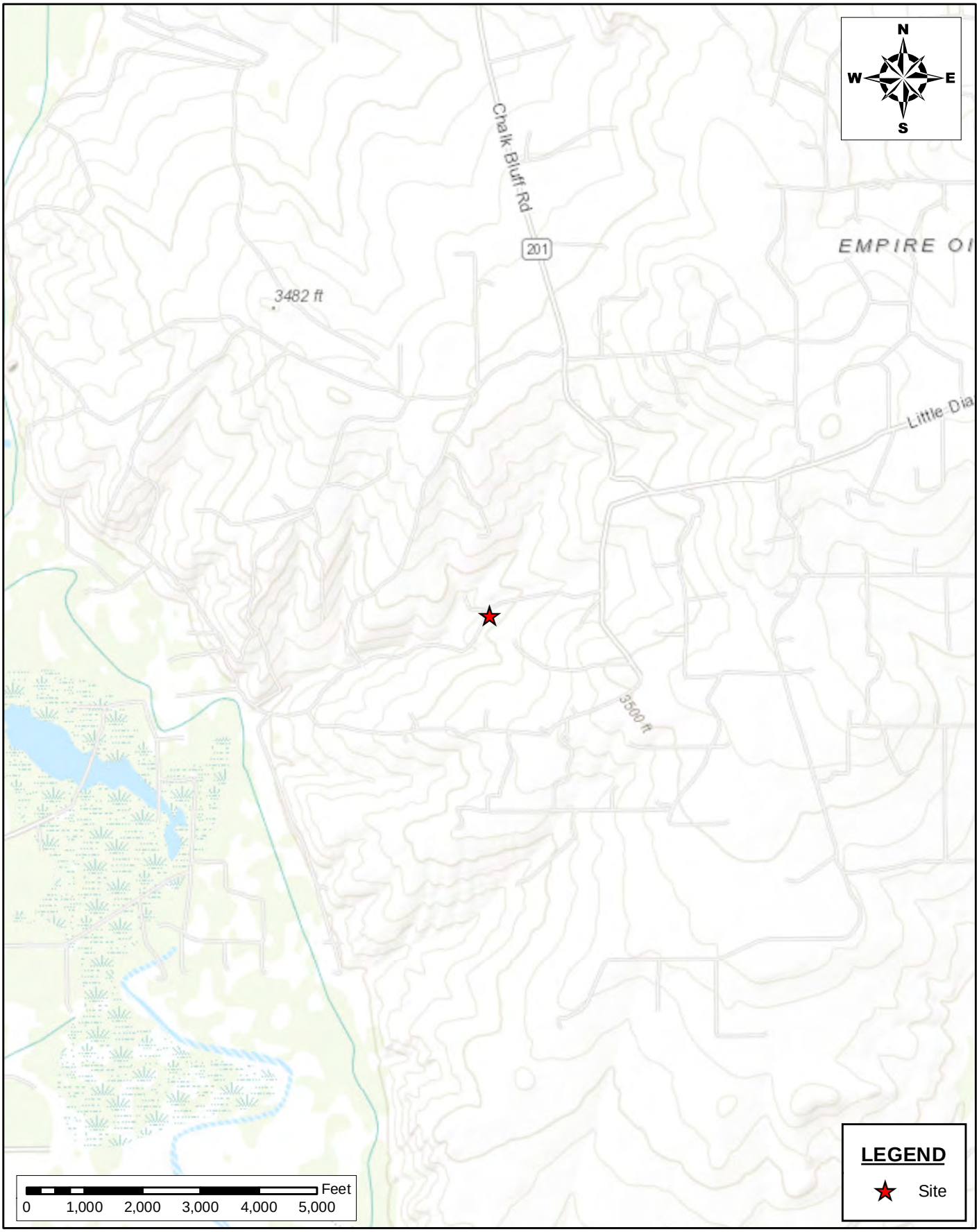
SCALE: As Shown	Date: 9/11/2023	PROJECT #: 237811

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

Document Path: P:\2023 PROJECTS\DEVON\RSC\237811 - West Red Lake Unit #072\7 - Figures\Figure_1_SL.mxd



TOPOGRAPHIC MAP
SITE CLOSURE REPORT
WEST RED LAKE UNIT #072
DEVON ENERGY PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO
32.7656517°, -104.3021774°

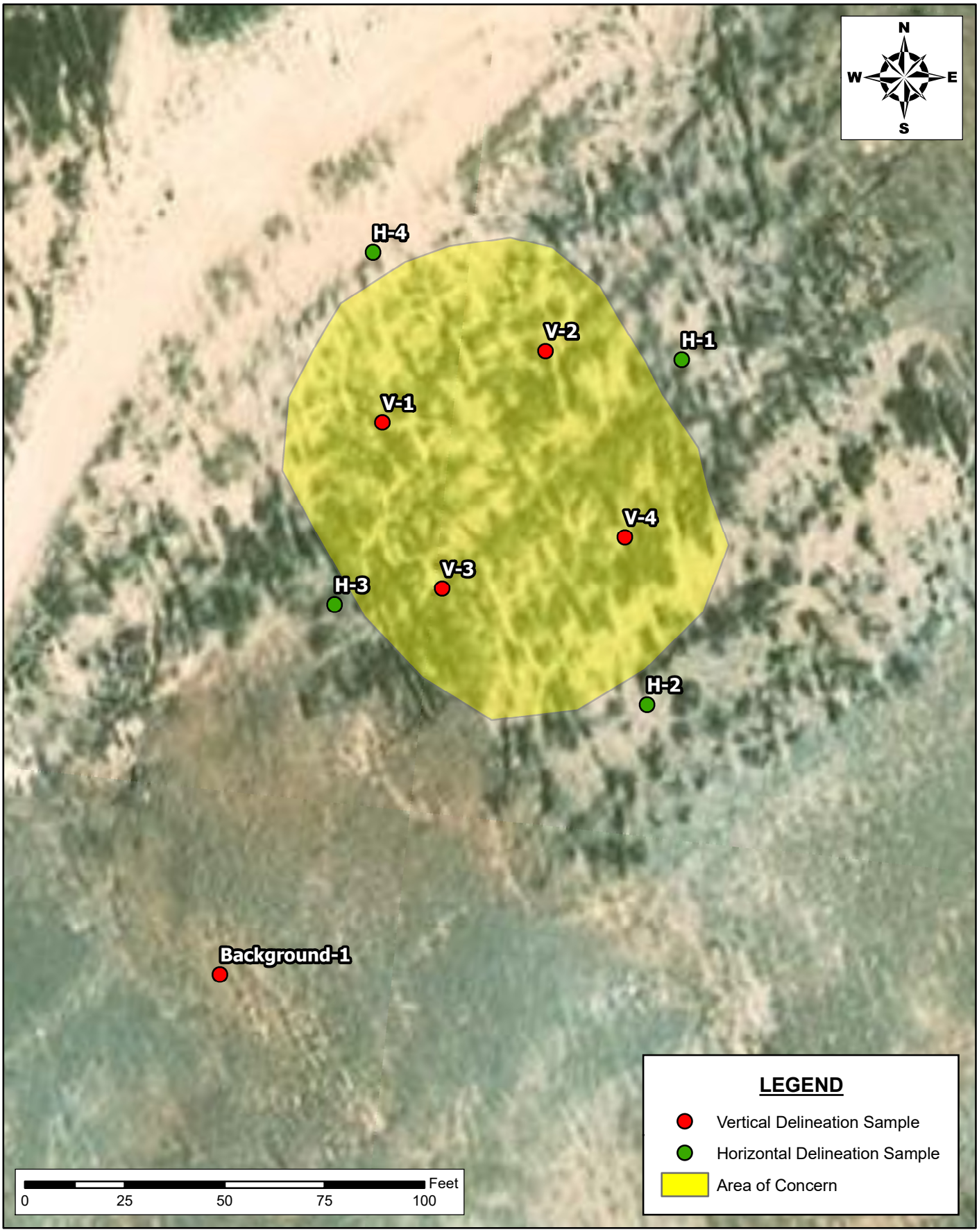
SCALE: As Shown	Date: 9/11/2023	PROJECT #: 237811

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 2
SHEET NUMBER:
1 of 1

Document Path: P:\2023 PROJECTS\DEVON\RSC\237811 - West Red Lake Unit #072\Figure_2_TM.mxd



SITE ASSESSMENT MAP
CLOSURE REPORT
DEVON ENERGY PRODUCTION COMPANY
WEST RED LAKE UNIT #072
EDDY COUNTY, NEW MEXICO
32.7656517°, -104.3021774°

SCALE: AS SHOWN	DATE: 12/11/2023	PROJECT #: 237811

NTG ENVIRONMENTAL
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Web: www.ntgenvironmental.com

NOTES:
1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\2023 PROJECTS\DEVON\RSC\237811 - West Red Lake Unit #072\7 - Figures\GIS\Figure_3_Closure Map.mxd

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

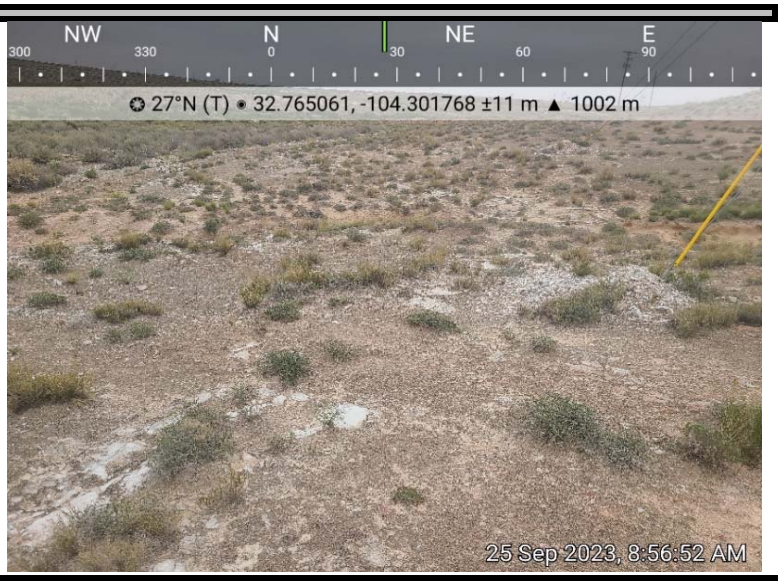
West Red Lake Unit #072

Photograph No. 1

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area

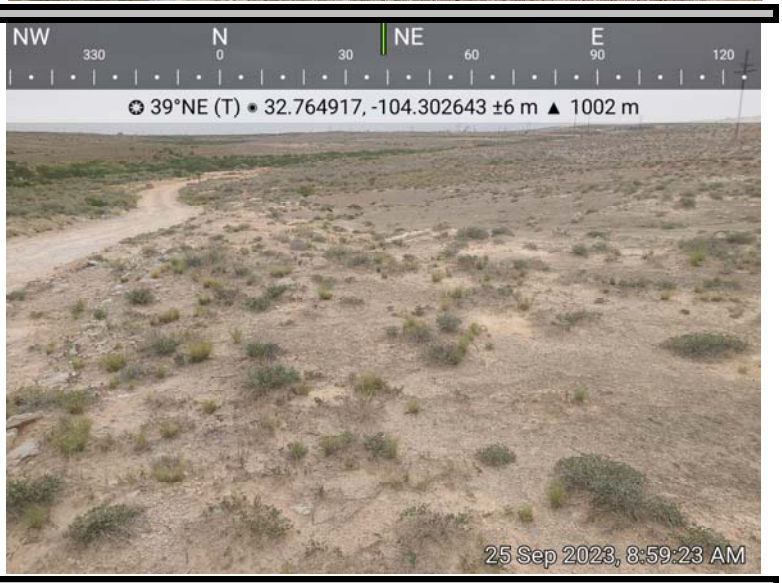


Photograph No. 2

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area



Photograph No. 3

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area

PHOTOGRAPHIC LOG

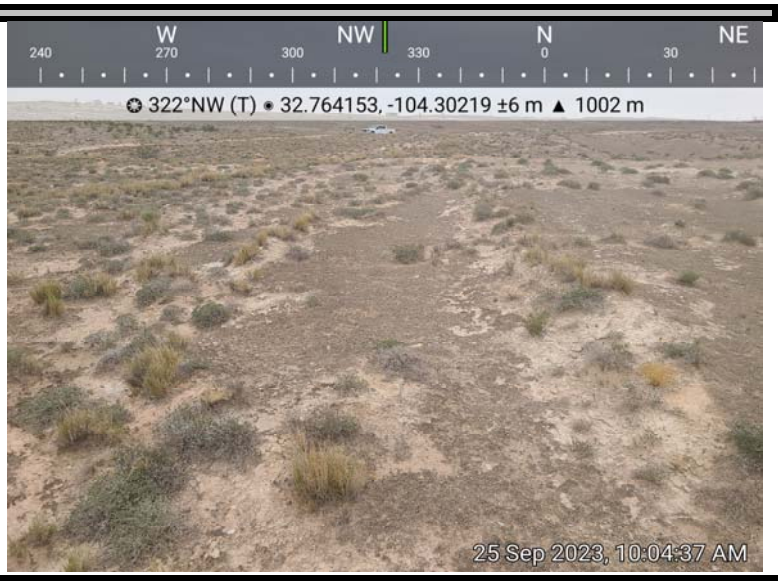
West Red Lake Unit #072

Photograph No. 4

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area



Photograph No. 5

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area

Photograph No. 6

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area

PHOTOGRAPHIC LOG

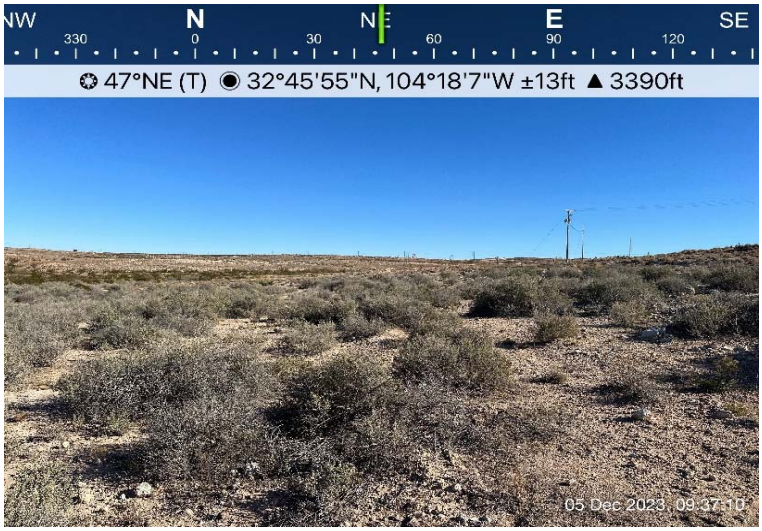
West Red Lake Unit #072

Photograph No. 7

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area



Photograph No. 8

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

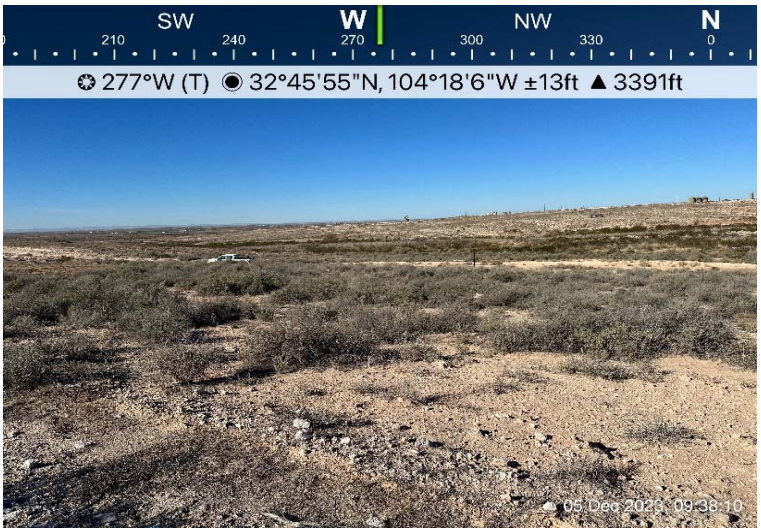
Description:
View of Reclaimed and Revegetated Area

Photograph No. 9

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area



PHOTOGRAPHIC LOG

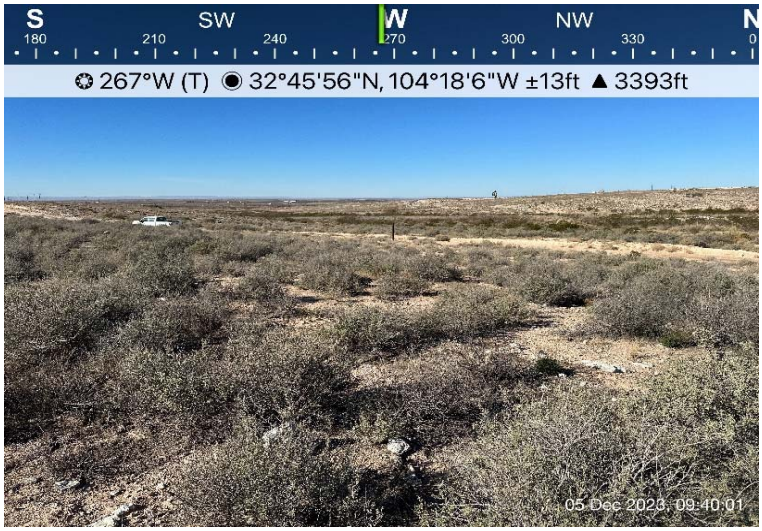
West Red Lake Unit #072

Photograph No. 10

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area



Photograph No. 11

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area

Photograph No. 12

Facility: West Red Lake Unit #072

County: Eddy County, New Mexico

Description:
View of Reclaimed and Revegetated Area

SOIL SURVEY

Soil Map—Eddy Area, New Mexico

Map Scale: 1:1,710 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0, 25, 50, 100, 150

Feet: 0, 50, 100, 200, 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Received by OCD: 5/7/2024 11:12:44 AM

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Released to Imaging: 5/10/2024 11:00:40 AM

Received by OCD: 5/7/2024 11:12:44 AM

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GA	Gypsum land	12.6	100.0%
Totals for Area of Interest		**12.6**	**100.0%**

Released to Imaging: 5/10/2024 11:00:40 AM

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ethan Sessums
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 12/5/2023 10:11:05 AM Revision 1

JOB DESCRIPTION

Devon West Red Lake
Eddy County

JOB NUMBER

880-33747-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/10/2024 11:00:40 AM

my EOL

Eurofins Midland

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

JKRAMER

Generated
12/5/2023 10:11:05 AM
Revision 1

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 17
QC Sample Results 19
QC Association Summary 23
Lab Chronicle 27
Certification Summary 32
Method Summary 33
Sample Summary 34
Chain of Custody 35
Receipt Checklists 37

Definitions/Glossary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high 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/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Job ID: 880-33747-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-33747-1

REVISION

The report being provided is a revision of the original report sent on 10/3/2023. The report (revision 1) is being revised due to Per client email, requesting sample ID name corrections.

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 9/28/2023 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: V-1 (6") (880-33747-1), Background-1 (6”) (880-33747-2), Background-1 (1’) (880-33747-3), V-2 (6”) (880-33747-4), V-2 (1’) (880-33747-5), V-2 (2’) (880-33747-6), V-3 (6") (880-33747-7), V-3 (1') (880-33747-8), V-4 (6") (880-33747-9), V-4 (1') (880-33747-10), H-1 (SURFACE) (880-33747-11), H-2 (SURFACE) (880-33747-12), H-3 (SURFACE) (880-33747-13) and H-4 (SURFACE) (880-33747-14).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: V-1 (6") (880-33747-1), Background-1 (6”) (880-33747-2), Background-1 (1’) (880-33747-3), V-2 (6”) (880-33747-4), V-2 (1’) (880-33747-5), V-2 (2’) (880-33747-6), V-3 (6") (880-33747-7), V-3 (1') (880-33747-8), V-4 (6") (880-33747-9) and H-4 (SURFACE) (880-33747-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-33747-A-1-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-63535 and analytical batch 880-63577 was outside the upper control limits.

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: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-1 (6")

Lab Sample ID: 880-33747-1
Matrix: Solid

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*09/29/23 16:49*	*10/03/23 02:38*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 02:38*	*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			10/03/23 02:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/29/23 13:52	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	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 13:52	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 13:52	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*09/28/23 13:45*	*09/29/23 13:52*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/28/23 13:45*	*09/29/23 13:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		5.02		mg/Kg			10/02/23 14:04	1

Client Sample ID: Background-1 (6”)

Lab Sample ID: 880-33747-2
Matrix: Solid

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 02:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/29/23 16:49*	*10/03/23 02:58*	*1*
1,4-Difluorobenzene (Surr)	*50*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 02:58*	*1*

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: Background-1 (6”)

Lab Sample ID: 880-33747-2
Matrix: Solid

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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			10/03/23 02:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/29/23 14:15	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	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:15*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.3**		5.01		mg/Kg			10/02/23 14:10	1

Client Sample ID: Background-1 (1’)

Lab Sample ID: 880-33747-3
Matrix: Solid

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 03:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/29/23 16:49*	*10/03/23 03:19*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 03:19*	*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			10/03/23 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/29/23 14:37	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	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 14:37	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 14:37	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: Background-1 (1')

Lab Sample ID: 880-33747-3
Matrix: Solid

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:37*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.0**		5.00		mg/Kg			10/02/23 14:30	1

Client Sample ID: V-2 (6")

Lab Sample ID: 880-33747-4
Matrix: Solid

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 03:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/29/23 16:49*	*10/03/23 03:39*	*1*
1,4-Difluorobenzene (Surr)	*48*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 03:39*	*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			10/03/23 03:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/29/23 14:58	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	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:58*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/28/23 13:45*	*09/29/23 14:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.7**		5.00		mg/Kg			10/02/23 14:37	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-2 (1')
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-5
Matrix: Solid

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		09/29/23 16:49	10/03/23 04:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/29/23 16:49*	*10/03/23 04:00*	*1*
1,4-Difluorobenzene (Surr)	*51*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 04:00*	*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			10/03/23 04:00	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			09/29/23 15:42	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		09/28/23 13:45	09/29/23 15:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/28/23 13:45	09/29/23 15:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/28/23 13:45	09/29/23 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*09/28/23 13:45*	*09/29/23 15:42*	*1*
o-Terphenyl	*100*		*70 - 130*	*09/28/23 13:45*	*09/29/23 15:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.1**		4.99		mg/Kg			10/02/23 14:44	1

Client Sample ID: V-2 (2')
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-6
Matrix: Solid

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		09/29/23 16:49	10/03/23 04:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 04:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*09/29/23 16:49*	*10/03/23 04:20*	*1*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 04:20*	*1*

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-2 (2')

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-6
Matrix: Solid

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			10/03/23 04:20	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			09/29/23 16:04	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		09/28/23 13:45	09/29/23 16:04	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:04*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.9**		4.97		mg/Kg			10/02/23 14:50	1

Client Sample ID: V-3 (6")

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-7
Matrix: Solid

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		09/29/23 16:49	10/03/23 04:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 04:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 04:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 04:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 04:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*09/29/23 16:49*	*10/03/23 04:41*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 04:41*	*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			10/03/23 04:41	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			09/29/23 16:26	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		09/28/23 13:45	09/29/23 16:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:26	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-3 (6")

Lab Sample ID: 880-33747-7
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:26*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.3**		4.98		mg/Kg			10/02/23 14:57	1

Client Sample ID: V-3 (1')

Lab Sample ID: 880-33747-8
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 05:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 05:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 05:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 05:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 05:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*09/29/23 16:49*	*10/03/23 05:01*	*1*
1,4-Difluorobenzene (Surr)	*55*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 05:01*	*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			10/03/23 05:01	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			09/29/23 16:49	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		09/28/23 13:45	09/29/23 16:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/28/23 13:45	09/29/23 16:49	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/28/23 13:45	09/29/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:49*	*1*
o-Terphenyl	*83*		*70 - 130*	*09/28/23 13:45*	*09/29/23 16:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		5.03		mg/Kg			10/02/23 15:03	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-4 (6")

Lab Sample ID: 880-33747-9
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 05:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 05:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/29/23 16:49*	*10/03/23 05:21*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 05:21*	*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			10/03/23 05:21	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			09/29/23 17:10	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		09/28/23 13:45	09/29/23 17:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:10*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.0**		5.05		mg/Kg			10/02/23 15:23	1

Client Sample ID: V-4 (1')

Lab Sample ID: 880-33747-10
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 05:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/29/23 16:49	10/03/23 05:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/29/23 16:49	10/03/23 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*09/29/23 16:49*	*10/03/23 05:42*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*09/29/23 16:49*	*10/03/23 05:42*	*1*

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-4 (1')
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/03/23 05:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			09/29/23 17:33	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	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:33*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.1**		5.04		mg/Kg			10/02/23 15:30	1

Client Sample ID: H-1 (SURFACE)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-11
Matrix: Solid

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		09/29/23 16:49	10/03/23 07:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:04*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:04*	*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			10/03/23 07:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/29/23 17:55	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	<50.3	U	50.3		mg/Kg		09/28/23 13:45	09/29/23 17:55	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/28/23 13:45	09/29/23 17:55	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-1 (SURFACE)

Lab Sample ID: 880-33747-11
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/28/23 13:45	09/29/23 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:55*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/28/23 13:45*	*09/29/23 17:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.3**		5.00		mg/Kg			10/02/23 15:50	1

Client Sample ID: H-2 (SURFACE)

Lab Sample ID: 880-33747-12
Matrix: Solid
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 07:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:25*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:25*	*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			10/03/23 07:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/29/23 18:17	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	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 18:17	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 18:17	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/28/23 13:45*	*09/29/23 18:17*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/28/23 13:45*	*09/29/23 18:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.5**		5.00		mg/Kg			10/02/23 15:57	1

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-3 (SURFACE)

Lab Sample ID: 880-33747-13
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 07:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:45*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/29/23 16:49*	*10/03/23 07:45*	*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			10/03/23 07:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/29/23 18:39	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	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 18:39	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 18:39	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/28/23 13:45*	*09/29/23 18:39*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/28/23 13:45*	*09/29/23 18:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.5**		4.99		mg/Kg			10/02/23 16:03	1

Client Sample ID: H-4 (SURFACE)

Lab Sample ID: 880-33747-14
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/28/23 08:40

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		09/29/23 16:49	10/03/23 08:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 08:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 08:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 08:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 08:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/29/23 16:49*	*10/03/23 08:06*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*09/29/23 16:49*	*10/03/23 08:06*	*1*

Client Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-4 (SURFACE)

Lab Sample ID: 880-33747-14
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/28/23 08:40

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			10/03/23 08:06	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			09/29/23 19:01	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		09/28/23 13:45	09/29/23 19:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 19:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*09/28/23 13:45*	*09/29/23 19:01*	*1*
o-Terphenyl	*85*		*70 - 130*	*09/28/23 13:45*	*09/29/23 19:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.0**		4.99		mg/Kg			10/02/23 16:10	1

Surrogate Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-33747-1	V-1 (6")	85	68 S1-
880-33747-1 MS	V-1 (6")	132 S1+	100
880-33747-1 MSD	V-1 (6")	124	86
880-33747-2	Background-1 (6”)	86	50 S1-
880-33747-3	Background-1 (1’)	86	62 S1-
880-33747-4	V-2 (6”)	92	48 S1-
880-33747-5	V-2 (1’)	92	51 S1-
880-33747-6	V-2 (2’)	87	64 S1-
880-33747-7	V-3 (6")	91	62 S1-
880-33747-8	V-3 (1')	93	55 S1-
880-33747-9	V-4 (6")	94	66 S1-
880-33747-10	V-4 (1')	91	71
880-33747-11	H-1 (SURFACE)	86	73
880-33747-12	H-2 (SURFACE)	83	95
880-33747-13	H-3 (SURFACE)	92	91
880-33747-14	H-4 (SURFACE)	96	67 S1-
LCS 880-63672/1-A	Lab Control Sample	120	103
LCSD 880-63672/2-A	Lab Control Sample Dup	118	99
MB 880-63672/5-A	Method Blank	74	89
MB 880-63717/5-A	Method Blank	74	96

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-33747-1	V-1 (6")	113	99
880-33747-2	Background-1 (6”)	123	113
880-33747-3	Background-1 (1’)	117	104
880-33747-4	V-2 (6”)	111	97
880-33747-5	V-2 (1’)	113	100
880-33747-6	V-2 (2’)	108	97
880-33747-7	V-3 (6")	105	93
880-33747-8	V-3 (1')	95	83
880-33747-9	V-4 (6")	104	92
880-33747-10	V-4 (1')	125	107
880-33747-11	H-1 (SURFACE)	120	102
880-33747-12	H-2 (SURFACE)	110	97
880-33747-13	H-3 (SURFACE)	102	89
880-33747-14	H-4 (SURFACE)	97	85
890-5338-A-1-F MS	Matrix Spike	116	94
890-5338-A-1-G MSD	Matrix Spike Duplicate	119	95
LCS 880-63535/2-A	Lab Control Sample	111	128
LCSD 880-63535/3-A	Lab Control Sample Dup	115	125
MB 880-63535/1-A	Method Blank	176 S1+	174 S1+

Surrogate Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-63672/5-A
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/29/23 16:49	10/03/23 02:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*09/29/23 16:49*	*10/03/23 02:17*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/29/23 16:49*	*10/03/23 02:17*	*1*

Lab Sample ID: LCS 880-63672/1-A
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1043		mg/Kg		104	70 - 130
Toluene	0.100	0.1057		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1134		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2346		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1179		mg/Kg		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-63672/2-A
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63672

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09884		mg/Kg		99	70 - 130	5	35
Toluene	0.100	0.09841		mg/Kg		98	70 - 130	7	35
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2185		mg/Kg		109	70 - 130	7	35
o-Xylene	0.100	0.1095		mg/Kg		110	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-33747-1 MS
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: V-1 (6")
Prep Type: Total/NA
Prep Batch: 63672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.08346		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.0996	0.08976		mg/Kg		90	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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

Lab Sample ID: 880-33747-1 MS
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: V-1 (6")
Prep Type: Total/NA
Prep Batch: 63672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.09418		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1746		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.0996	0.09245		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-33747-1 MSD
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: V-1 (6")
Prep Type: Total/NA
Prep Batch: 63672

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.07666		mg/Kg		77	70 - 130	8	35
Toluene	<0.00200	U	0.0990	0.07920		mg/Kg		80	70 - 130	12	35
Ethylbenzene	<0.00200	U	0.0990	0.09290		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1870		mg/Kg		94	70 - 130	7	35
o-Xylene	<0.00200	U	0.0990	0.09774		mg/Kg		99	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: MB 880-63717/5-A
Matrix: Solid
Analysis Batch: 63714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/23 09:19	10/02/23 15:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/02/23 09:19	10/02/23 15:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*10/02/23 09:19*	*10/02/23 15:40*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/02/23 09:19*	*10/02/23 15:40*	*1*

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

Lab Sample ID: MB 880-63535/1-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63535

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		09/28/23 13:45	09/29/23 08:01	1

QC Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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

Lab Sample ID: MB 880-63535/1-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 08:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 08:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*176*	*S1+*	*70 - 130*	*09/28/23 13:45*	*09/29/23 08:01*	*1*
o-Terphenyl	*174*	*S1+*	*70 - 130*	*09/28/23 13:45*	*09/29/23 08:01*	*1*

Lab Sample ID: LCS 880-63535/2-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1062		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: LCSD 880-63535/3-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63535

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1105		mg/Kg		111	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: 890-5338-A-1-F MS
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 63535

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1293		mg/Kg		125	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1151		mg/Kg		114	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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

Lab Sample ID: 890-5338-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 63577 — **Prep Batch: 63535**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1312		mg/Kg		127	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1174		mg/Kg		117	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-63482/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 63759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/02/23 13:10	1

Lab Sample ID: LCS 880-63482/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 63759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-63482/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 63759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.8		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-33747-8 MS — **Client Sample ID: V-3 (1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 63759

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100		252	329.2		mg/Kg		91	90 - 110

Lab Sample ID: 880-33747-8 MSD — **Client Sample ID: V-3 (1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 63759

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100		252	330.5		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

GC VOA

Prep Batch: 63672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	5035	
880-33747-2	Background-1 (6”)	Total/NA	Solid	5035	
880-33747-3	Background-1 (1’)	Total/NA	Solid	5035	
880-33747-4	V-2 (6”)	Total/NA	Solid	5035	
880-33747-5	V-2 (1’)	Total/NA	Solid	5035	
880-33747-6	V-2 (2’)	Total/NA	Solid	5035	
880-33747-7	V-3 (6")	Total/NA	Solid	5035	
880-33747-8	V-3 (1')	Total/NA	Solid	5035	
880-33747-9	V-4 (6")	Total/NA	Solid	5035	
880-33747-10	V-4 (1')	Total/NA	Solid	5035	
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	5035	
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	5035	
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	5035	
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	5035	
MB 880-63672/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63672/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63672/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33747-1 MS	V-1 (6")	Total/NA	Solid	5035	
880-33747-1 MSD	V-1 (6")	Total/NA	Solid	5035	

Analysis Batch: 63714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	8021B	63672
880-33747-2	Background-1 (6”)	Total/NA	Solid	8021B	63672
880-33747-3	Background-1 (1’)	Total/NA	Solid	8021B	63672
880-33747-4	V-2 (6”)	Total/NA	Solid	8021B	63672
880-33747-5	V-2 (1’)	Total/NA	Solid	8021B	63672
880-33747-6	V-2 (2’)	Total/NA	Solid	8021B	63672
880-33747-7	V-3 (6")	Total/NA	Solid	8021B	63672
880-33747-8	V-3 (1')	Total/NA	Solid	8021B	63672
880-33747-9	V-4 (6")	Total/NA	Solid	8021B	63672
880-33747-10	V-4 (1')	Total/NA	Solid	8021B	63672
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	8021B	63672
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	8021B	63672
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	8021B	63672
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	8021B	63672
MB 880-63672/5-A	Method Blank	Total/NA	Solid	8021B	63672
MB 880-63717/5-A	Method Blank	Total/NA	Solid	8021B	63717
LCS 880-63672/1-A	Lab Control Sample	Total/NA	Solid	8021B	63672
LCSD 880-63672/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63672
880-33747-1 MS	V-1 (6")	Total/NA	Solid	8021B	63672
880-33747-1 MSD	V-1 (6")	Total/NA	Solid	8021B	63672

Prep Batch: 63717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-63717/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 63885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	Total BTEX	
880-33747-2	Background-1 (6”)	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 63885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-3	Background-1 (1')	Total/NA	Solid	Total BTEX	
880-33747-4	V-2 (6")	Total/NA	Solid	Total BTEX	
880-33747-5	V-2 (1')	Total/NA	Solid	Total BTEX	
880-33747-6	V-2 (2')	Total/NA	Solid	Total BTEX	
880-33747-7	V-3 (6")	Total/NA	Solid	Total BTEX	
880-33747-8	V-3 (1')	Total/NA	Solid	Total BTEX	
880-33747-9	V-4 (6")	Total/NA	Solid	Total BTEX	
880-33747-10	V-4 (1')	Total/NA	Solid	Total BTEX	
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	Total BTEX	
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	Total BTEX	
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	Total BTEX	
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 63535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	8015NM Prep	
880-33747-2	Background-1 (6")	Total/NA	Solid	8015NM Prep	
880-33747-3	Background-1 (1')	Total/NA	Solid	8015NM Prep	
880-33747-4	V-2 (6")	Total/NA	Solid	8015NM Prep	
880-33747-5	V-2 (1')	Total/NA	Solid	8015NM Prep	
880-33747-6	V-2 (2')	Total/NA	Solid	8015NM Prep	
880-33747-7	V-3 (6")	Total/NA	Solid	8015NM Prep	
880-33747-8	V-3 (1')	Total/NA	Solid	8015NM Prep	
880-33747-9	V-4 (6")	Total/NA	Solid	8015NM Prep	
880-33747-10	V-4 (1')	Total/NA	Solid	8015NM Prep	
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	8015NM Prep	
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	8015NM Prep	
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	8015NM Prep	
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	8015NM Prep	
MB 880-63535/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63535/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63535/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5338-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5338-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	8015B NM	63535
880-33747-2	Background-1 (6")	Total/NA	Solid	8015B NM	63535
880-33747-3	Background-1 (1')	Total/NA	Solid	8015B NM	63535
880-33747-4	V-2 (6")	Total/NA	Solid	8015B NM	63535
880-33747-5	V-2 (1')	Total/NA	Solid	8015B NM	63535
880-33747-6	V-2 (2')	Total/NA	Solid	8015B NM	63535
880-33747-7	V-3 (6")	Total/NA	Solid	8015B NM	63535
880-33747-8	V-3 (1')	Total/NA	Solid	8015B NM	63535
880-33747-9	V-4 (6")	Total/NA	Solid	8015B NM	63535
880-33747-10	V-4 (1')	Total/NA	Solid	8015B NM	63535
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	8015B NM	63535
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	8015B NM	63535

QC Association Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 63577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	8015B NM	63535
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	8015B NM	63535
MB 880-63535/1-A	Method Blank	Total/NA	Solid	8015B NM	63535
LCS 880-63535/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63535
LCSD 880-63535/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63535
890-5338-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	63535
890-5338-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	63535

Analysis Batch: 63744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Total/NA	Solid	8015 NM	
880-33747-2	Background-1 (6”)	Total/NA	Solid	8015 NM	
880-33747-3	Background-1 (1’)	Total/NA	Solid	8015 NM	
880-33747-4	V-2 (6”)	Total/NA	Solid	8015 NM	
880-33747-5	V-2 (1’)	Total/NA	Solid	8015 NM	
880-33747-6	V-2 (2’)	Total/NA	Solid	8015 NM	
880-33747-7	V-3 (6")	Total/NA	Solid	8015 NM	
880-33747-8	V-3 (1')	Total/NA	Solid	8015 NM	
880-33747-9	V-4 (6")	Total/NA	Solid	8015 NM	
880-33747-10	V-4 (1')	Total/NA	Solid	8015 NM	
880-33747-11	H-1 (SURFACE)	Total/NA	Solid	8015 NM	
880-33747-12	H-2 (SURFACE)	Total/NA	Solid	8015 NM	
880-33747-13	H-3 (SURFACE)	Total/NA	Solid	8015 NM	
880-33747-14	H-4 (SURFACE)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 63482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Soluble	Solid	DI Leach	
880-33747-2	Background-1 (6”)	Soluble	Solid	DI Leach	
880-33747-3	Background-1 (1’)	Soluble	Solid	DI Leach	
880-33747-4	V-2 (6”)	Soluble	Solid	DI Leach	
880-33747-5	V-2 (1’)	Soluble	Solid	DI Leach	
880-33747-6	V-2 (2’)	Soluble	Solid	DI Leach	
880-33747-7	V-3 (6")	Soluble	Solid	DI Leach	
880-33747-8	V-3 (1')	Soluble	Solid	DI Leach	
880-33747-9	V-4 (6")	Soluble	Solid	DI Leach	
880-33747-10	V-4 (1')	Soluble	Solid	DI Leach	
880-33747-11	H-1 (SURFACE)	Soluble	Solid	DI Leach	
880-33747-12	H-2 (SURFACE)	Soluble	Solid	DI Leach	
880-33747-13	H-3 (SURFACE)	Soluble	Solid	DI Leach	
880-33747-14	H-4 (SURFACE)	Soluble	Solid	DI Leach	
MB 880-63482/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63482/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63482/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33747-8 MS	V-3 (1')	Soluble	Solid	DI Leach	
880-33747-8 MSD	V-3 (1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

HPLC/IC

Analysis Batch: 63759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33747-1	V-1 (6")	Soluble	Solid	300.0	63482
880-33747-2	Background-1 (6”)	Soluble	Solid	300.0	63482
880-33747-3	Background-1 (1’)	Soluble	Solid	300.0	63482
880-33747-4	V-2 (6”)	Soluble	Solid	300.0	63482
880-33747-5	V-2 (1’)	Soluble	Solid	300.0	63482
880-33747-6	V-2 (2’)	Soluble	Solid	300.0	63482
880-33747-7	V-3 (6")	Soluble	Solid	300.0	63482
880-33747-8	V-3 (1')	Soluble	Solid	300.0	63482
880-33747-9	V-4 (6")	Soluble	Solid	300.0	63482
880-33747-10	V-4 (1')	Soluble	Solid	300.0	63482
880-33747-11	H-1 (SURFACE)	Soluble	Solid	300.0	63482
880-33747-12	H-2 (SURFACE)	Soluble	Solid	300.0	63482
880-33747-13	H-3 (SURFACE)	Soluble	Solid	300.0	63482
880-33747-14	H-4 (SURFACE)	Soluble	Solid	300.0	63482
MB 880-63482/1-A	Method Blank	Soluble	Solid	300.0	63482
LCS 880-63482/2-A	Lab Control Sample	Soluble	Solid	300.0	63482
LCSD 880-63482/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63482
880-33747-8 MS	V-3 (1')	Soluble	Solid	300.0	63482
880-33747-8 MSD	V-3 (1')	Soluble	Solid	300.0	63482

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-1 (6")
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-1
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			5.01 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 02:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 02:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 13:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 13:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:04	CH	EET MID

Client Sample ID: Background-1 (6”)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-2
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			4.97 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 02:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 02:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:10	CH	EET MID

Client Sample ID: Background-1 (1’)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-3
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			5.02 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 03:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 03:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 14:37	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:30	CH	EET MID

Client Sample ID: V-2 (6”)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-4
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			5.03 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 03:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 03:39	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-2 (6”)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-4
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			63744	09/29/23 14:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 14:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:37	CH	EET MID

Client Sample ID: V-2 (1’)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-5
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			5.01 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 04:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 04:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 15:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 15:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:44	CH	EET MID

Client Sample ID: V-2 (2’)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-6
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			4.98 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 04:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 04:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 16:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 16:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:50	CH	EET MID

Client Sample ID: V-3 (6")
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-7
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			5.02 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 04:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 04:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 16:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 16:26	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: V-3 (6")
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-7
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	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 14:57	CH	EET MID

Client Sample ID: V-3 (1')
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-8
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			5.03 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 05:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 05:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 16:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 16:49	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:03	CH	EET MID

Client Sample ID: V-4 (6")
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-9
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 05:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 05:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 17:10	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:23	CH	EET MID

Client Sample ID: V-4 (1')
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-10
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			4.99 g	5 mL	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 05:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 05:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 17:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 17:33	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:30	CH	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-1 (SURFACE)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-11
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 07:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 07:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 17:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 17:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:50	CH	EET MID

Client Sample ID: H-2 (SURFACE)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-12
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 07:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 07:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 18:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 18:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 15:57	CH	EET MID

Client Sample ID: H-3 (SURFACE)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-13
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 07:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 07:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			63744	09/29/23 18:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 18:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 16:03	CH	EET MID

Client Sample ID: H-4 (SURFACE)
Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-14
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	63672	09/29/23 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 08:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63885	10/03/23 08:06	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Client Sample ID: H-4 (SURFACE)

Date Collected: 09/25/23 00:00
Date Received: 09/28/23 08:40

Lab Sample ID: 880-33747-14

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			63744	09/29/23 19:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63535	09/28/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 19:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63482	09/28/23 10:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 16:10	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: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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	T104704400-23-26	06-30-24

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: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

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: Devon West Red Lake

Job ID: 880-33747-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33747-1	V-1 (6")	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-2	Background-1 (6”)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-3	Background-1 (1’)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-4	V-2 (6”)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-5	V-2 (1’)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-6	V-2 (2’)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-7	V-3 (6")	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-8	V-3 (1')	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-9	V-4 (6")	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-10	V-4 (1')	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-11	H-1 (SURFACE)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-12	H-2 (SURFACE)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-13	H-3 (SURFACE)	Solid	09/25/23 00:00	09/28/23 08:40
880-33747-14	H-4 (SURFACE)	Solid	09/25/23 00:00	09/28/23 08:40

Chain of Custody

NTG ENVIRONMENTAL

880-33747 Chain of Custody

Page 1 of 1

Project Manager:	ETHAN SESSUMS	Bill to: (if different)	
Company Name	NTG Environmental	Company Name	
Address:	209 w McKay st	Address:	
City, State ZIP	carlsbad new mexico	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 ☐ TRRP ☐ Level IV ☐

Deliverables EDD X ADaPT ☐ Other:

Project Name:	devon, west red lake	Turn Around	
Project Number:	217811	☑ Routine ☐ Rush	
Project Location	eddy, county	Due Date	Standard
Sampler's Name	alex gavia	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	116
Cooler Custody Seals	Yes No N/A	Correction Factor:	-0.3
Sample Custody Seals.	Yes No N/A	Temperature Reading	2.6
Total Containers.		Corrected Temperature.	2.3

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
V-1 (6")	9/25/2023		X		G	1	X	X	X		402
V-2 (6")	9/25/2023		X		G	1	X	X	X		
V-2 (1')	9/25/2023		X		G	1	X	X	X		
V-3 (6")	9/25/2023		X		G	1	X	X	X		
V-3 (1')	9/25/2023		X		G	1	X	X	X		
V-3 (2')	9/25/2023		X		G	1	X	X	X		
V-4 (6")	9/25/2023		X		G	1	X	X	X		
V-4 (1')	9/25/2023		X		G	1	X	X	X		
V-5 (6")	9/25/2023		X		G	1	X	X	X		
V-5 (1')	9/25/2023		X		G	1	X	X	X		

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	

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
alex gavia		9/28/23 0840	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

12/5/2023 (Rev. 1)

Received by OCD: 5/7/2024 11:12:44 AM

Released to Imaging: 5/10/2024 11:00:40 AM

Chain of Custody

NTG ENVIRONMENTAL

Loc: 880

Work Order No: 33747

Page 2 of 2

Project Manager:	ETHAN SESSUMS	Bill to. (if different)	
Company Name:	NTG Environmental	Company Name.	
Address	209 w McKay st	Address.	
City, State ZIP	carlsbad new mexico	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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD X ADaPT ☐ Other:

Project Name.	devon, west red lake	Turn Around	
Project Number:	217811	☑ Routine	☐ Rush
Project Location	eddy, county	Due Date	Standard
Sampler's Name.	alex gavia	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID	IR8	
Cooler Custody Seals.	Yes No N/A	Correction Factor:	-0.3	
Sample Custody Seals.	Yes No N/A	Temperature Reading:	2.0	
Total Containers.		Corrected Temperature:	2.3	

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	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
H-1 (SURFACE)	9/25/2023		X		G	1	X	X	X		
H-2 (SURFACE)	9/25/2023		X		G	1	X	X	X		
H-3 (SURFACE)	9/25/2023		X		G	1	X	X	X		
H-4 (SURFACE)	9/25/2023		X		G	1	X	X	X		

Pres. Code / Parameters

Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
alex gavia		9/26/23 0800	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

12/5/2023 (Rev. 1)

Received by OCD: 5/7/2024 11:12:44 AM

Released to Imaging: 5/10/2024 11:00:40 AM

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-33747-1
SDG Number: Eddy County

Login Number: 33747
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

CARDINAL Laboratories

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

December 06, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: WEST RED LAKE UNIT #072

Enclosed are the results of analyses for samples received by the laboratory on 11/21/23 13:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
V - 1 1-1.5	H236339-01	Soil	20-Nov-23 10:00	21-Nov-23 13:15
V - 1 2-2.5	H236339-02	Soil	20-Nov-23 10:03	21-Nov-23 13:15
V - 1 3-3.5	H236339-03	Soil	20-Nov-23 10:06	21-Nov-23 13:15
BACKGROUND - 1 1-1.5	H236339-04	Soil	20-Nov-23 10:09	21-Nov-23 13:15
BACKGROUND - 1 2-2.5	H236339-05	Soil	20-Nov-23 10:12	21-Nov-23 13:15
BACKGROUND - 1 3-3.5	H236339-06	Soil	20-Nov-23 10:15	21-Nov-23 13:15
BACKGROUND - 1 4-4.5	H236339-07	Soil	20-Nov-23 10:18	21-Nov-23 13:15
V - 2 2-2.5	H236339-08	Soil	20-Nov-23 10:21	21-Nov-23 13:15
V - 3 1-1.5	H236339-09	Soil	20-Nov-23 10:24	21-Nov-23 13:15
V - 3 2-2.5	H236339-10	Soil	20-Nov-23 10:27	21-Nov-23 13:15
V - 3 3-3.5	H236339-11	Soil	20-Nov-23 10:30	21-Nov-23 13:15
V - 3 4-4.5	H236339-12	Soil	20-Nov-23 10:33	21-Nov-23 13:15
V - 4 1-1.5	H236339-13	Soil	20-Nov-23 10:36	21-Nov-23 13:15
V - 4 2-2.5	H236339-14	Soil	20-Nov-23 10:39	21-Nov-23 13:15

12/06/23 - Client requested sample ID changes (see COC). This is the revised report and will replace the one sent on 11/27/23.

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 1 1-1.5

H236339-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**480**		16.0	mg/kg	4	3112224	AC	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*3112126*	JH/	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*83.4 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*85.1 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 1 2-2.5

H236339-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**496**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*3112126*	JH/	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*84.5 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.3 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 1 3-3.5

H236339-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**224**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*3112126*	JH/	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*83.3 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*85.5 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

BACKGROUND - 1 1-1.5

H236339-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**672**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112126	JH/	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*3112126*	JH/	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*84.6 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.8 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

BACKGROUND - 1 2-2.5

H236339-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**480**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112123	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*81.2 %*	*48.2-134*		*3112123*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.2 %*	*49.1-148*		*3112123*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

BACKGROUND - 1 3-3.5

H236339-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**928**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112121	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112121	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112121	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*82.4 %*	*48.2-134*		*3112121*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*75.0 %*	*49.1-148*		*3112121*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

BACKGROUND - 1 4-4.5

H236339-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1360**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*87.5 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.5 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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V - 2 2-2.5

H236339-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*119 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*77.4 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*69.6 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

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V - 3 1-1.5

H236339-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*96.1 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.1 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

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V - 3 2-2.5

H236339-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*96.2 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.4 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

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V - 3 3-3.5

H236339-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*118 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*83.8 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.4 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 3 4-4.5

H236339-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*84.4 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.7 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 4 1-1.5

H236339-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*87.9 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.5 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

V - 4 2-2.5

H236339-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*3112127*	JH	*22-Nov-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112204	MS	22-Nov-23	8015B	
Surrogate: 1-Chlorooctane			*96.4 %*	*48.2-134*		*3112204*	MS	*22-Nov-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*87.7 %*	*49.1-148*		*3112204*	MS	*22-Nov-23*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3112224 - 1:4 DI Water										
Blank (3112224-BLK1)				Prepared & Analyzed: 22-Nov-23						
Chloride	ND	16.0	mg/kg							
LCS (3112224-BS1)				Prepared & Analyzed: 22-Nov-23						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (3112224-BSD1)				Prepared & Analyzed: 22-Nov-23						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
Batch 3112226 - 1:4 DI Water										
Blank (3112226-BLK1)				Prepared & Analyzed: 22-Nov-23						
Chloride	ND	16.0	mg/kg							
LCS (3112226-BS1)				Prepared & Analyzed: 22-Nov-23						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3112226-BSD1)				Prepared & Analyzed: 22-Nov-23						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

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 3112126 - Volatiles										
Blank (3112126-BLK1)				Prepared & Analyzed: 21-Nov-23						
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)	*ND*		mg/kg	*0.0500*		*98.9*	*71.5-134*			
LCS (3112126-BS1)				Prepared & Analyzed: 21-Nov-23						
Benzene	1.97	0.050	mg/kg	2.00		98.6	82.8-130			
Toluene	1.85	0.050	mg/kg	2.00		92.4	86-128			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.4	85.9-128			
m,p-Xylene	3.88	0.100	mg/kg	4.00		97.1	89-129			
o-Xylene	1.96	0.050	mg/kg	2.00		97.9	86.1-125			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0507*		mg/kg	*0.0500*		*101*	*71.5-134*			
LCS Dup (3112126-BSD1)				Prepared & Analyzed: 21-Nov-23						
Benzene	2.08	0.050	mg/kg	2.00		104	82.8-130	5.48	15.8	
Toluene	2.06	0.050	mg/kg	2.00		103	86-128	11.1	15.9	
Ethylbenzene	2.17	0.050	mg/kg	2.00		109	85.9-128	11.8	16	
m,p-Xylene	4.38	0.100	mg/kg	4.00		110	89-129	12.0	16.2	
o-Xylene	2.19	0.050	mg/kg	2.00		110	86.1-125	11.3	16.7	
Total Xylenes	6.57	0.150	mg/kg	6.00		110	88.2-128	11.8	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0527*		mg/kg	*0.0500*		*105*	*71.5-134*			
Batch 3112127 - Volatiles										
Blank (3112127-BLK1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
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							

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

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 3112127 - Volatiles										
Blank (3112127-BLK1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0579*		mg/kg	*0.0500*		*116*	*71.5-134*			
LCS (3112127-BS1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
Benzene	2.00	0.050	mg/kg	2.00		100	82.8-130			
Toluene	2.10	0.050	mg/kg	2.00		105	86-128			
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	85.9-128			
m,p-Xylene	4.30	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.05	0.050	mg/kg	2.00		102	86.1-125			
Total Xylenes	6.35	0.150	mg/kg	6.00		106	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0560*		mg/kg	*0.0500*		*112*	*71.5-134*			
LCS Dup (3112127-BSD1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
Benzene	2.05	0.050	mg/kg	2.00		102	82.8-130	2.17	15.8	
Toluene	2.16	0.050	mg/kg	2.00		108	86-128	2.70	15.9	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128	2.18	16	
m,p-Xylene	4.40	0.100	mg/kg	4.00		110	89-129	2.28	16.2	
o-Xylene	2.12	0.050	mg/kg	2.00		106	86.1-125	3.50	16.7	
Total Xylenes	6.52	0.150	mg/kg	6.00		109	88.2-128	2.67	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0557*		mg/kg	*0.0500*		*111*	*71.5-134*			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

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 3112121 - General Prep - Organics										
Blank (3112121-BLK1)				Prepared & Analyzed: 21-Nov-23						
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	*50.0*		mg/kg	*50.0*		*100*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*45.8*		mg/kg	*50.0*		*91.5*	*49.1-148*			
LCS (3112121-BS1)				Prepared & Analyzed: 21-Nov-23						
GRO C6-C10	211	10.0	mg/kg	200		106	66.4-123			
DRO >C10-C28	197	10.0	mg/kg	200		98.6	66.5-118			
Total TPH C6-C28	409	10.0	mg/kg	400		102	77.6-123			
Surrogate: 1-Chlorooctane	*48.8*		mg/kg	*50.0*		*97.5*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*47.0*		mg/kg	*50.0*		*94.0*	*49.1-148*			
LCS Dup (3112121-BSD1)				Prepared & Analyzed: 21-Nov-23						
GRO C6-C10	209	10.0	mg/kg	200		104	66.4-123	1.33	17.7	
DRO >C10-C28	197	10.0	mg/kg	200		98.4	66.5-118	0.236	21	
Total TPH C6-C28	405	10.0	mg/kg	400		101	77.6-123	0.799	18.5	
Surrogate: 1-Chlorooctane	*51.8*		mg/kg	*50.0*		*104*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*50.6*		mg/kg	*50.0*		*101*	*49.1-148*			
Batch 3112123 - General Prep - Organics										
Blank (3112123-BLK1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
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	*46.9*		mg/kg	*50.0*		*93.8*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*47.7*		mg/kg	*50.0*		*95.4*	*49.1-148*			

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:	Reported: 06-Dec-23 15:55

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 3112123 - General Prep - Organics										
LCS (3112123-BS1)				Prepared & Analyzed: 21-Nov-23						
GRO C6-C10	204	10.0	mg/kg	200		102	66.4-123			
DRO >C10-C28	201	10.0	mg/kg	200		101	66.5-118			
Total TPH C6-C28	405	10.0	mg/kg	400		101	77.6-123			
Surrogate: 1-Chlorooctane	*47.7*		mg/kg	*50.0*		*95.5*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*46.8*		mg/kg	*50.0*		*93.6*	*49.1-148*			
LCS Dup (3112123-BSD1)				Prepared: 21-Nov-23 Analyzed: 22-Nov-23						
GRO C6-C10	197	10.0	mg/kg	200		98.3	66.4-123	3.84	17.7	
DRO >C10-C28	193	10.0	mg/kg	200		96.6	66.5-118	3.94	21	
Total TPH C6-C28	390	10.0	mg/kg	400		97.5	77.6-123	3.89	18.5	
Surrogate: 1-Chlorooctane	*49.4*		mg/kg	*50.0*		*98.8*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.6*		mg/kg	*50.0*		*97.2*	*49.1-148*			
Batch 3112204 - General Prep - Organics										
Blank (3112204-BLK1)				Prepared & Analyzed: 22-Nov-23						
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	*46.2*		mg/kg	*50.0*		*92.4*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*42.7*		mg/kg	*50.0*		*85.4*	*49.1-148*			
LCS (3112204-BS1)				Prepared & Analyzed: 22-Nov-23						
GRO C6-C10	216	10.0	mg/kg	200		108	66.4-123			
DRO >C10-C28	203	10.0	mg/kg	200		101	66.5-118			
Total TPH C6-C28	418	10.0	mg/kg	400		105	77.6-123			
Surrogate: 1-Chlorooctane	*54.3*		mg/kg	*50.0*		*109*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*52.2*		mg/kg	*50.0*		*104*	*49.1-148*			

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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 3112204 - General Prep - Organics										
LCS Dup (3112204-BSD1)				Prepared & Analyzed: 22-Nov-23						
GRO C6-C10	209	10.0	mg/kg	200		104	66.4-123	3.21	17.7	
DRO >C10-C28	191	10.0	mg/kg	200		95.5	66.5-118	5.90	21	
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123	4.50	18.5	
Surrogate: 1-Chlorooctane	*51.9*		mg/kg	*50.0*		*104*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*49.0*		mg/kg	*50.0*		*97.9*	*49.1-148*			

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

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Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H236339

Page 1 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
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:	West Red Lake Unit #072	Turn Around	
Project Number:	237811	☑ Routine ☐ Rush	
Project Location	Eddy, Co	Due Date:	
Sampler's Name:	Clayton Tumas	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	1094698801		

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.9c
Total Containers:	14	Corrected Temperature:	

ANALYSIS REQUEST

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
1 V-1	1-1.5	11/20/2023	10:00	X		Grab	1	X	X	X		
2 V-1	2-2.5	11/20/2023	10:03	X		Grab	1	X	X	X		
3 V-1	3-3.5	11/20/2023	10:06	X		Grab	1	X	X	X		
4 ~~V-2~~ Background-1	1-1.5	11/20/2023	10:09	X		Grab	1	X	X	X		
5 ~~V-2~~ Background-1	2-2.5	11/20/2023	10:12	X		Grab	1	X	X	X		
6 ~~V-2~~ Background-1	3-3.5	11/20/2023	10:15	X		Grab	1	X	X	X		
7 ~~V-2~~ Background-1	4-4.5	11/20/2023	10:18	X		Grab	1	X	X	X		
8 ~~V-3~~ 2	2-2.5	11/20/2023	10:21	X		Grab	1	X	X	X		
9 ~~V-4~~ 3	1-1.5	11/20/2023	10:24	X		Grab	1	X	X	X		
10 ~~V-4~~ 3	2-2.5	11/20/2023	10:27	X		Grab	1	X	X	X		

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

Additional Comments: * Customer requested Sample ID changes. TO 12/5/23

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
1 [signature]	Tamara Wilderson	11-21-23 1315	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 5/7/2024 11:12:44 AM

Released to Imaging: 5/10/2024 11:00:40 AM

NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H236339

Page 2 of 2

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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:	West Red Lake Unit #072	Turn Around	
Project Number:	237811	☑ Routine ☐ Rush	
Project Location	Eddy, Co	Due Date:	
Sampler's Name:	Clayton Tumas	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	1094698801		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.9°
Total Containers:	14	Corrected Temperature:	

ANALYSIS REQUEST

	Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
11	V-4 3	3-3.5	11/20/2023	10:30	X		Grab	1	X	X	X		
12	V-4 3	4-4.5	11/20/2023	10:33	X		Grab	1	X	X	X		
13	V-5 4	1-1.5	11/20/2023	10:36	X		Grab	1	X	X	X		
14	V-5 4	2-2.5	11/20/2023	10:39	X		Grab	1	X	X	X		

Pres. Code / Parameters

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	

Additional Comments: * Customer requested Sample ID changes. TO - 12/5/23

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	Tamara Oldaker	11-21-23 1315	2			
3				4			
5				6			

Revised Date 05012020 Rev. 2020.1

Received by OCD: 5/7/2024 11:12:44 AM

Released to Imaging: 5/10/2024 11:00:40 AM

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 341570

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nMCS0318226779**
Incident Name	**NMCS0318226779 WEST RED LAKE UNIT #072 @ 30-015-28941**
Incident Type	**Produced Water Release**
Incident Status	**Re-vegetation Report Received**
Incident Well	**[30-015-28941] WEST RED LAKE UNIT #072**

Location of Release Source *Please answer all the questions in this group.*	
Site Name	WEST RED LAKE UNIT #072
Date Release Discovered	06/05/2003
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 | Flow Line - Injection | Produced Water | Released: 400 BBL | Recovered: 70 BBL | Lost: 330 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	*Not answered.*

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/07/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

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)	Less than or equal 25 (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 ½ and 1 (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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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)	496
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	50.4
GRO+DRO (EPA SW-846 Method 8015M)	50.4
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
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	09/25/2023
On what date will (or did) the final sampling or liner inspection occur	11/20/2023
On what date will (or was) the remediation complete(d)	12/05/2023
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	0
What is the estimated volume (in cubic yards) that will be remediated	0
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)

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	Action Number: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

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.)	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	No remediation required, as no spill impacts have been found and the area is reclaimed.
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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/07/2024

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: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

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	No

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QUESTIONS (continued)

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	Action Number: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**308702**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**11/20/2023**
What was the (estimated) number of samples that were to be gathered	**7**
What was the sampling surface area in square feet	**1**

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	No remediation required, as no spill impacts have been found and the area is reclaimed.

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/07/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Reclamation Report *Only answer the questions in this group if all reclamation steps have been completed.*	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	0
What was the total volume of replacement material (in cubic yards) for this site	0
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	04/28/2009
Summarize any additional reclamation activities not included by answers (above)	The area has been previously reclaimed
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
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I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/07/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	Yes
What was the total revegetation surface area (in square feet) for this site	34500
Per Paragraph (2) of Subsection D of 19.15.29.13 NMAC the responsible party must reseed disturbed area in the first favorable growing season following closure of the site.	
On what date did the reseeding commence	04/01/2009
On what date was the vegetative cover inspected	12/05/2023
What was the life form ratio compared to pre-disturbance levels	51
What was the total percent plant cover compared to pre-disturbance levels	71
Summarize any additional revegetation activities not included by answers (above)	After reseeding with the BLM approved seed mix #2, the area has been reclaimed and revegetated successfully, as shown by the total plant cover of more than 70 percent (70%). Reseeded plants have formed a uniform vegetative cover and a life-form ratio of restored area is higher than 50% of predisturbance levels. NTGE scientists identified that all the plants found in the reclaimed area comprise native grasses (Bouteloua gracilis, Sporobolus airoides, Setaria leucopila), native shrubs (Atriplex canescens, Larrea tridentata, Opuntia macrocentra, Yucca harrimaniae) and native forbs (Erodium spp.) All species mentioned above are native and closely match a background community surveyed outside of the site. All vegetation is established in healthy populations, preventing soil erosion and water-run off potential. No noxious weeds have been found within the restored area. The evidence of the successful reclamation and revegetation can be seen in the Photographic Log attached to the report. Surface owner (BLM) confirmed and approved the successful restoration of the site.
The responsible party must attach information demonstrating they have complied with all applicable re-vegetation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any life form ratio and percent plant cover sampling diagrams or other relevant field notes, photographs of re-vegetated areas, and a narrative of the re-vegetation activities. Refer to 19.15.29.13 NMAC.	

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/07/2024
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 341570

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	5/10/2024