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.

Mr. Mike Bratcher February 16, 2024 Page 2 of 3

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.



Mr. Mike Bratcher February 16, 2024 Page 3 of 3

Sincerely, NTG Environmental

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Ethan Sessums Project Manager

Nikan

Dmitry Nikanorov Project Scientist

Attachments:

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



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NTGE Project No.: 237811

Ethan Sessums

From:	Morgan, Crisha A <camorgan@blm.gov></camorgan@blm.gov>
Sent:	Monday, April 1, 2024 4:26 PM
То:	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 |<u>camorgan@blm.gov</u>



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

)

Page Jeof 200

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

T 1 .	
Latitude	

(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		

Page	2
rage	4

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

If YES, for what reason(s) does the responsible party consider this a major release?
tice 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: <u>575-748-1838</u>
OCD Only	
Received by: <u>Shelly Wells</u>	Date: <u>9/7/2023</u>

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

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

CONDITIONS

Created By Condition scwells None

CONDITIONS

Action 261848

Condition Date

9/7/2023

.

Released to Imaging: 5/10/20248134:007:40/AM

SITE CHARACTERIZATION INFORMATION

NMOCD Closure Criteria

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 (19.1	5.29.12.B(4) a	nd Table 1 NM	AC)				
Depth to Groundwater (ft)		Closure Criteria (mg/kg)					
Deptil to Groundwater (it)		Chloride*	TPH	GRO + DRO	BTEX	Benzene	
< 50	Х	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						
<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		600	100		50	10	
<300 ft from an occupied permanent residence, school, hospital,		000	100		50	10	
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



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

OSE POD Location Map



9/11/2023, 5:00:45 PM GIS WATERS PODs

- Active
- Pending



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

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	Renbrd:	14
STATE ENGINEER OFFI	(17481)	
DECLARATION OF OWNERSHIP OF LIVESTOC	K WATER DAM OR TANK	
(Note: Read Instructions on B te of Receipt <u>May 19, 1992</u> Decl		3.0/
Name of Declarant J. W. Gissler	Post Office Box 987,	Artes
County of Eddy		
Dam or tank is located in the $\mathbb{N}\mathbb{W}$		
Section 8, Township 185, Rang		
a tributary of Pecos River , and	is on Federal	
	(State, Federal, Declara)	
Water is stored for Stock Water (stock water, i	f other uses so state)	rposes.
Topography of drainage basin, Undu (steep, r	lating	
Approximate area of drainage basin above	dam is square miles3	
Vegetative cover of drainage basin,	Shrubs, Grass	
Is watercourse normally dry, Yes (for	est, woodland, shrubs, grass, 1	bare)
Approximate physical properties of storag	(yes or no)	
		- anued ,
	t of spillway flowline above s	
or natural ground $\frac{N/A}{N/A}$ feet; heigh bed, or natural ground $\frac{N/A}{N/A}$ feet;		
	length of top of dam, $\frac{N/A}{A}$	_feet;
bed, or natural ground N/A feet; width of crest, N/A feet; slope of ups	length of top of dam, N/A tream face, N/A hor:	_feet; izontal
bed, or natural ground <u>N/A</u> feet; width of crest, <u>N/A</u> feet; slope of ups to 1.0 vertical; slope of downward face,	length of top of dam, <u>N/A</u> tream face, <u>N/A</u> hor: <u>N/A</u> horizontal	_feet; izontal to 1.0
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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.

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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.

<u>5-11-92</u> Date

May 30 1994 My Commission Expires

Subscribed and sworn to before me this

19 % day of 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.



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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

Ranbid: LWD-5541 1074811

INVESTIGATIVE REPORT

May 26, 1992 DATE:

TO: File LWD-RA-83

FROM: Mike Stapleton, Water Resource Technician III

SUBJECT: Livestock Watering Dam

SUBDIVISION	SECTION	TOWNSHIP	RANGE	<u>ACRES</u>
NWŁSEŁNWŁ	8	18S	27E	

USE: Livestock Watering

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

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

<u>Intel Staplet</u> Mike Stapleton

Water Resource Technician III

MS/tg cc: Santa Fe Hydro Section Received by OCD: 5/7/2024 11:12:44 AM



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

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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



National Wetlands Inventory

West Red Lake Unit #072



September 11, 2023

Wetlands

- Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland

- Freshwater Forested/Shrub Wetland

Freshwater Emergent 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.



Received by OCD: 5/7/2024 11:12:44 AM National Flood Hazard Layer FIRMette

104°18'27"W 32°46'11"N



Legend

Page 21 of 200

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



Releasea to Imaging: 5/10/2024 PP.00:40 AM 1,500 2,000

regulatory purposes.

Basemap Imagery Source: USGS National Map 2023

TABLES

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

Sample DayBanne Day <th></th> <th>ТРН</th> <th></th> <th></th> <th></th>											ТРН			
Nample Date (mg/kg)				Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	GRO + DRO	MRO	Total GRO/DRO/MRO	Chloride
https://product (mg/kg)	Comula ID	Comple Date	Depth						(C6-C10)	(C10-C28)	(C6-C35)	(C28-C35)	(C6-C35)	
Image: book book book book book book book boo	Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Vertial Deliversition Samples Vertial Deliversition Samples V-1 99/25/23 11,5 40,0020 40,0020 40,0020 40,0020 40,0020 40,0020 40,0020 40,0020 40,0020 40,00402 40,00402 40,00402 40,00 41,0 41,00 41,0 41,00 41,0 40,0019 40,0019 40,0019 40,0019 40,0019 40,0019 40	Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC													
09/5/73 6'' <				10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
Pi $\frac{10}{11/20/3}$ $1'$ 0.0021 0.00402 0.00402 0.010 0.010 0.010 0.010 0.010 0.010 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Verti</td><td>cal Delineation</td><td>Samples</td><td></td><td></td><td></td><td></td><td></td></th<>							Verti	cal Delineation	Samples					
V-1 11/20/23 1-1.5' -0.050 -0.0000 -0.00001 -0.00002 -0.000		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
11/20/23 22-5' 0.050 0.050 0.050 0.050 0.050 0.050 0.030 0.100 1.100 1.100 2.10 <			-	<0.00201	<0.00201		<0.00402	<0.00402		<50.1	<50.1			
11/20/3 33.5' <	V-1	11/20/23	-	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
Product 6" -0.0020 -0.00200 -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	496
V-2 09/25/33 1' <0.00201 <0.00201 <0.00201 <0.00402 <0.0402 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0.49.9 <0		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 2' 40.00199 40.00199 40.00199 40.00199 40.00388 450.4 450.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 449.5 <td></td> <td>09/25/23</td> <td>6"</td> <td>< 0.00200</td> <td><0.00200</td> <td><0.00200</td> <td>< 0.00399</td> <td>< 0.00399</td> <td><49.8</td> <td><49.8</td> <td><49.8</td> <td><49.8</td> <td><49.8</td> <td>25</td>		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
bit constant constant <thconstant< th=""> constant c</thconstant<>	V 2	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
04/01/00 6" <	V-2	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
99/25/23 1' <0.00199 <0.00199 <0.00199 <0.00398 <0.00398 <0.49.6 <0.49.6 <0.49.6 <0.49.6 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000 <0.0000<		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 11/20/23 1-1.5'		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
V.3 11/20/23 2-2.5' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 </td <td></td> <td>09/25/23</td> <td>1'</td> <td>< 0.00199</td> <td><0.00199</td> <td><0.00199</td> <td><0.00398</td> <td>< 0.00398</td> <td><49.6</td> <td><49.6</td> <td><49.6</td> <td><49.6</td> <td><49.6</td> <td>100</td>		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
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	V-3	11/20/23	-	<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'	V-5	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
V-4 09/25/23 6" <0.00200 <0.00200 <0.00200 <0.00401 <0.00401 <0.00399 <50.0 <0.00 <0.00 <0.00200 <0.00200 <0.00200 <0.00399 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0		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
V-4 09/25/23 1' <0.00200 <0.00200 <0.00399 <0.00399 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1		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 11/20/23 1-1.5' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 </td <td></td> <td>09/25/23</td> <td>6"</td> <td>< 0.00200</td> <td><0.00200</td> <td><0.00200</td> <td>< 0.00401</td> <td>< 0.00401</td> <td><49.5</td> <td><49.5</td> <td><49.5</td> <td><49.5</td> <td><49.5</td> <td>67</td>		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
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	V A	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
Background Samples 9/25/2023 6" <0.00200 <0.00200 <0.00200 <0.00401 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1	V-4	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
9/25/2023 6" <0.00200 <0.00200 <0.00401 <0.00401 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <50.1 <td></td> <td>11/20/23</td> <td>2-2.5'</td> <td><0.050</td> <td><0.050</td> <td><0.050</td> <td><0.150</td> <td><0.300</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td>32</td>		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-1 Op/25/2023 1 <0.00200 <0.00200 <0.00200 <0.00401 <0.00401 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>В</td><td>ackground Sam</td><td>ples</td><td></td><td></td><td></td><td></td><td></td></th<>							В	ackground Sam	ples					
Background-1 11/20/2023 1-1.5' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <		9/25/2023		<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	31.3
Background-1 Inf_20/2023 2-2.5' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.000 <0.000398 <0.000398 <50.3 <50.3 <50.3 <50.3		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 2-2.5' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 <th< td=""><td>Background-1</td><td>11/20/2023</td><td>-</td><td><0.050</td><td><0.050</td><td><0.050</td><td><0.150</td><td><0.300</td><td><10.0</td><td><10.0</td><td><10.0</td><td><10.0</td><td><10.0</td><td>672</td></th<>	Background-1	11/20/2023	-	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
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 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	Buckground 1	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
H-1 09/25/23 0-6" <0.00199 <0.00199 <0.00398 <0.00398 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.4 <50.4 <50.4 <50.4 <50.4 <50.4 <50.4 <50.4 <50.4 <50.4 <50.4 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5 <50.5		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
H-1 09/25/23 0-6" <0.00199 <0.00199 <0.00398 <0.00398 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.3 <50.5 <50.5 <50.5 <50.5		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
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	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

3. Bold indicates Analyte Detected

2.< = Value Less Than Reporting Limit (RL)

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).

Sample Point Excavated

4. BTEX analyses by EPA Method SW 8021B

9. --- Not Analyzed

FIGURES



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

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



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



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

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

West Red Lake Unit #072

NE

Photograph	No. 1
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Description: Area of Concern

Facility:West Red Lake Unit #072County:Eddy County, New Mexico

C 115°E (T) + 32.765264, -104.302523 ±6 m ▲ 1002 m

120

SE

S 180

Photo	graph	No. 2
1 11010	grupn	110. L

- 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 N	No. 4	NE E SE SE </th
Facility:	West Red Lake Unit #072	© 93°E (T) ◆ 32.764299, -104.302885 ±15 m ▲ 1001 m
County:	Eddy County, New Mexico	Lattice the second second
Description: Area of Concern	n	25 Sep 2023, 9:01:33 AM
Photograph N	No. 5	NW N NE E 300 330 0 30 60 90 • • • • • • • • • •
Facility:	West Red Lake Unit #072	© 21°N (T) ◆ 32.764145, -104.302674 ±10 m ▲ 1000 m
County:	Eddy County, New Mexico	
Description: Area of Concern	n	25 Sep 2023, 9:02:03 AM
Photograph N	No. 6	NW N NE E 90
Facility:	West Red Lake Unit #072	© 25°N (T) • 32.764259, -104.302457 ±12 m ▲ 1002 m
County:	Eddy County, New Mexico	
Description: Area of Conceri	n	
		25 Sep 2028;



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LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

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



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.



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

AMER

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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3

	Definitions/Classery/	
	Definitions/Glossary	
Client: NT Gl		Job ID: 880-33747-1
Project/Site: I	Devon West Red Lake	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 VO	Α	
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)

EPA recommended "Maximum Contaminant Level" MCL

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)

Too Numerous To Count TNTC

Eurofins Midland

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.

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

MDL Unit

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

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

Analyte

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

Result Qualifier

Analyte	Result	Quanner			onne		ricpurcu	Analyzea	Diriao
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
p-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 02:38	1
Kylenes, 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 BTE	X Calculat	tion						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fotal BTEX	<0.00399	U	0.00399		mg/Kg		<u> </u>	10/03/23 02:38	1
Method: SW846 8015 NM - Die	esel Range	Organics ((DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1		50.1		mg/Kg			09/29/23 13:52	1
					0 0				
Method: SW846 8015B NM - D	iesel Range	• Organics	s (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
Oll 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, I	on Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.02		mg/Kg			10/02/23 14:04	1
lient Sample ID: Backgro	ound-1 (6'	')				- 1	ab Sample	e ID: 880-33	747-2
ate Collected: 09/25/23 00:00		,							: Solid
ate Received: 09/28/23 08:40								matrix	
Method: SW846 8021B - Volat Analyte	-	Compoun Qualifier	ds (GC) RL	мп	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		0.00201		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
Toluene	<0.00201		0.00201		0 0		09/29/23 16:49	10/03/23 02:58	1
	<0.00201		0.00201		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
Ethylbenzene					mg/Kg				
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/29/23 10:49	10/03/23 02:58	1

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

Lab Sample ID: 880-33747-1

Analyzed

D

Prepared

Matrix: Solid

Dil Fac

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

Date Collected: 09/25/23 00:00

Date Received: 09/28/23 08:40

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

Client Sample ID: Background-1 (6")

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 - Die	esel 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 - D	iesel Range	Organics	(DRO) (GC)						
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	1
C10-C28)									
Oll 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, I	on Chroma	tography -	Soluble						
Analyte		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') Date Collected: 09/25/23 00:00 Date Received: 09/28/23 08:40

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

Method: SW846 8021B - Volatile Organic Compounds (GC) RL Analyte Result Qualifier MDL Unit D Prepared Analyzed Benzene <0.00199 U 0.00199 09/29/23 16:49 10/03/23 03:19 mg/Kg Toluene <0.00199 U 09/29/23 16:49 10/03/23 03:19 0.00199 mg/Kg Ethylbenzene <0.00199 U 0.00199 mg/Kg 09/29/23 16:49 10/03/23 03:19 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 09/29/23 16:49 10/03/23 03:19 o-Xylene <0.00199 U 0.00199 mg/Kg 09/29/23 16:49 10/03/23 03:19 Xylenes, Total <0.00398 U 0.00398 mg/Kg 09/29/23 16:49 10/03/23 03:19

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 Tota	I BTEX - Total BTEX Calculation	
Analyta	Beault Qualifier	Р

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 - D	iesel Range	Organics (I	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	e Organics	(DRO) (GC)						
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 14:37	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 14:37	1

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

Dil Fac

1

1

1

1

1

1

C10-C28)

RL

50.5

RL

5.00

RL

0.00199

0.00199

0.00199

0.00398

0.00199

0.00398

Limits

70 - 130

70 - 130

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

D

Prepared

Prepared

Prepared

Prepared

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

Oll Range Organics (Over C28-C36)

Client Sample ID: V-2 (6")

Date Collected: 09/25/23 00:00

Date Received: 09/28/23 08:40

Analyte

Surrogate

o-Terphenyl

Analyte

Chloride

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

Surrogate

Total TPH

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

1-Chlorooctane

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

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

%Recovery

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Result Qualifier

Result Qualifier

Result Qualifier

Qualifier

Qualifier

<50.5 U

117

104

33.0

<0.00199 U

<0.00199 U

<0.00199 U

<0.00398 U

<0.00199 U

<0.00398 U

92

<50.4 U

48 S1-

%Recovery

-

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Dil Fac

Dil Fac

Dil Fac

1

1

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

09/28/23 13:45 09/29/23 14:37

09/28/23 13:45 09/29/23 14:37

09/28/23 13:45 09/29/23 14:37

Analyzed

Analyzed

Analyzed

10/02/23 14:30

Analyzed

09/29/23 14:58

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

Dil Fac

1

1

1

1

1

09/29/23 16:49 10/03/23 03:39 09/29/23 16:49 10/03/23 03:39 09/29/23 16:49 10/03/23 03:39 10/03/23 03:39 09/29/23 16:49 09/29/23 16:49 10/03/23 03:39 09/29/23 16:49 10/03/23 03:39 Prepared Analyzed Dil Fac 09/29/23 16:49 10/03/23 03:39 09/29/23 16:49 10/03/23 03:39

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
					00				
Method: SW846 8015 NM - Dies	el Range	Organics (D	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

50.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	1
C10-C28)									
Oll 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 Chroma	tography -	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

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

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

rage	40

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

Lab Sample ID: 880-33747-5

Matrix: Solid

5

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
n-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
p-Xylene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
Xylenes, Total	<0.00399		0.00399		mg/Kg		09/29/23 16:49	10/03/23 04:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
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 BTE	X Calcula	tion						
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 - Die	esel Range	Organics ((DRO) (GC)						
Analyte		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 - D	iesel Range	e Organics	s (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8		49.8		mg/Kg		09/28/23 13:45	09/29/23 15:42	
GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/28/23 13:45	09/29/23 15:42	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/28/23 13:45	09/29/23 15:42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	113		70 - 130				09/28/23 13:45	09/29/23 15:42	1
p-Terphenyl	100		70 - 130				09/28/23 13:45	09/29/23 15:42	1
Method: EPA 300.0 - Anions, I	on Chroma	tography -	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
lient Sample ID: V-2 (2')						L	ab Sample	D: 880-33	8747-6
ate Collected: 09/25/23 00:00							-	Matrix	: Solid
ate Received: 09/28/23 08:40									
Method: SW846 8021B - Volat						_	_		
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	1
oluene	< 0.00201		0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	
thylbenzene	<0.00201		0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	
n-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 04:20	
-Xylene	<0.00201	U	0.00201		mg/Kg		09/29/23 16:49	10/03/23 04:20	
Kylenes, Total	<0.00402	U	0.00402		mg/Kg		09/29/23 16:49	10/03/23 04:20	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	87		70 - 130				09/29/23 16:49	10/03/23 04:20	

09/29/23 16:49 10/03/23 04:20

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1

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1,4-Difluorobenzene (Surr)

70 - 130

64 S1-

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

Matrix: Solid

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Lab Sample ID: 880-33747-6

Project/Site: Devon West Red Lake Client Sample ID: V-2 (2')

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

Client: NT Global

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 - Die	esel Range (Organics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/29/23 16:04	
Method: SW846 8015B NM - D)iesel Range	• Organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	·
(GRO)-C6-C10					0 0				
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	108		70 - 130				09/28/23 13:45	09/29/23 16:04	
	108 97		70 - 130 70 - 130					09/29/23 16:04 09/29/23 16:04	
o-Terphenyl	97	tography -	70 - 130						
o-Terphenyl Method: EPA 300.0 - Anions,	97 Ion Chroma	tography - Qualifier	70 - 130	MDL	Unit	D			
o- <i>Terphenyl</i> Method: EPA 300.0 - Anions, Analyte	97 Ion Chroma		70 - 130 Soluble	MDL	Unit mg/Kg	D	09/28/23 13:45	09/29/23 16:04	
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Analyte Chloride Client Sample ID: V-3 (6"	97 Ion Chroma Result 94.9		70 - 130 Soluble	MDL			09/28/23 13:45 Prepared	09/29/23 16:04	Dil Fac
o-Terphenyl Method: EPA 300.0 - Anions, Analyte Chloride Client Sample ID: V-3 (6"	97 Ion Chroma Result 94.9		70 - 130 Soluble	MDL			09/28/23 13:45 Prepared	09/29/23 16:04 Analyzed 10/02/23 14:50 PID: 880-33	Dil Fac
o-Terphenyl Method: EPA 300.0 - Anions, Analyte Chloride	97 Ion Chroma Result 94.9		70 - 130 Soluble	MDL			09/28/23 13:45 Prepared	09/29/23 16:04 Analyzed 10/02/23 14:50	Dil Fac
o-Terphenyl Method: EPA 300.0 - Anions, Analyte Chloride Chloride Chloride ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40	97 Ion Chroma Result 94.9	Qualifier	70 - 130 Soluble <u>RL</u> <u>4.97</u>	MDL			09/28/23 13:45 Prepared	09/29/23 16:04 Analyzed 10/02/23 14:50 PID: 880-33	Dil Fa
De-Terphenyl Method: EPA 300.0 - Anions, Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat	97 Ion Chroma Result 94.9) ; ile Organic	Qualifier	70 - 130 Soluble <u>RL</u> <u>4.97</u>		mg/Kg		09/28/23 13:45 Prepared ab Sample	09/29/23 16:04 Analyzed 10/02/23 14:50 P ID: 880-33 Matrix	Dil Fa 3747-7 c: Solie
De-Terphenyl Method: EPA 300.0 - Anions, Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte	97 Ion Chroma Result 94.9) ; ile Organic	Qualifier Compound Qualifier	70 - 130 Soluble <u>RL</u> 4.97 ds (GC)		mg/Kg Unit	L	09/28/23 13:45 Prepared	09/29/23 16:04 Analyzed 10/02/23 14:50 PID: 880-33	Dil Fa
De-Terphenyl Method: EPA 300.0 - Anions, I Analyte Chloride Ilient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene	97 Ion Chroma Result 94.9) :ile Organic Result <0.00199	Qualifier Compound Qualifier U	70 - 130 Soluble <u>RL</u> 4.97 ds (GC) <u>RL</u> 0.00199		Unit mg/Kg	L	09/28/23 13:45 Prepared ab Sample Prepared 09/29/23 16:49	09/29/23 16:04 Analyzed 10/02/23 14:50 D: 880-33 Matrix Analyzed 10/03/23 04:41	Dil Fa
De-Terphenyl Method: EPA 300.0 - Anions, I Analyte Chloride Lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene	97 Ion Chroma Result 94.9) :ile Organic Result <0.00199 <0.00199	Qualifier Compound Qualifier U U	70 - 130 70 - 130 Soluble RL 4.97 ds (GC) RL 0.00199 0.00199		Unit mg/Kg mg/Kg mg/Kg	L	09/28/23 13:45 Prepared ab Sample Prepared 09/29/23 16:49 09/29/23 16:49	09/29/23 16:04 Analyzed 10/02/23 14:50 D: 880-33 Matrix Analyzed 10/03/23 04:41 10/03/23 04:41	3747- c: Solic Dil Fa
o-Terphenyl Method: EPA 300.0 - Anions, I Analyte Chloride Client Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene	97 Ion Chroma Result 94.9) :ile Organic Result <0.00199 <0.00199 <0.00199	Qualifier Compound Qualifier U U U	70 - 130 70 - 130 Soluble RL 4.97 ds (GC) RL 0.00199 0.00199 0.00199		Unit mg/Kg mg/Kg mg/Kg mg/Kg	L	09/28/23 13:45 Prepared Ab Sample Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	09/29/23 16:04 Analyzed 10/02/23 14:50 P ID: 880-33 Matrix Matrix Analyzed 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41	3747- c: Solic Dil Fa
o-Terphenyl Method: EPA 300.0 - Anions, Analyte Chloride Client Sample ID: V-3 (6" ate Collected: 09/25/23 00:00	97 Ion Chroma Result 94.9) :ile Organic Result <0.00199 <0.00199	Qualifier Compound Qualifier U U U U	70 - 130 70 - 130 Soluble RL 4.97 ds (GC) RL 0.00199 0.00199		Unit mg/Kg mg/Kg mg/Kg	L	09/28/23 13:45 Prepared Ab Sample Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	09/29/23 16:04 Analyzed 10/02/23 14:50 D: 880-33 Matrix Analyzed 10/03/23 04:41 10/03/23 04:41	3747- c: Solic Dil Fa

Xylenes, Total	<0.00398 U	0.00398	mg/Kg	09/29/23 16:49 10/03/23 04:41
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery Qualifie	<u>r Limits</u> 70 - 130		Prepared Analyzed 09/29/23 16:49 10/03/23 04:41
1,4-Difluorobenzene (Surr)	62 S1-	70 - 130		09/29/23 16:49 10/03/23 04:41

Method: TAL SOP Total BTE	X - Total BTE	X Calculat	ion						
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 - D	esel Range	Organics (I	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	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:26	1
C10-C28)									

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1

Dil Fac

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

Matrix: Solid

Lab Sample ID: 880-33747-7

09/29/23 16:49 10/03/23 05:01

09/29/23 16:49

Project/Site: Devon West Red Lake Client Sample ID: V-3 (6") Date Collected: 09/25/23 00:00

Date Received: 09/28/23 08:40

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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	lon Chroma	tography -	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
ate Collected: 09/25/23 00:0)					L	.ab Sample	e ID: 880-33 Matrix	
Date Collected: 09/25/23 00:00 Date Received: 09/28/23 08:40)	Compound	ds (GC)			L	.ab Sample		
Date Collected: 09/25/23 00:0 Date Received: 09/28/23 08:40 Method: SW846 8021B - Vola) atile Organic	Compoun Qualifier	ds (GC) RL	MDL	Unit	L	ab Sample		: Solid
Date Collected: 09/25/23 00:0 Date Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte) atile Organic	Qualifier		MDL	Unit mg/Kg			Matrix	: Solid
Date Collected: 09/25/23 00:0 Date Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte	atile Organic Result	Qualifier	RL	MDL			Prepared	Matrix Analyzed	: Solid
Date Collected: 09/25/23 00:00 Date Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene	atile Organic Result <0.00199	Qualifier U U	RL 0.00199	MDL	mg/Kg		Prepared 09/29/23 16:49	Matrix Analyzed 10/03/23 05:01	: Solid
ate Collected: 09/25/23 00:0 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Toluene Ethylbenzene	atile Organic Result <0.00199 <0.00199	Qualifier U U U	RL 0.00199 0.00199	MDL	mg/Kg mg/Kg		Prepared 09/29/23 16:49 09/29/23 16:49	Matrix Analyzed 10/03/23 05:01 10/03/23 05:01	: Solid
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	atile Organic Result <0.00199 <0.00199 <0.00199 <0.00199	Qualifier U U U U	RL 0.00199 0.00199 0.00199	MDL	mg/Kg mg/Kg mg/Kg		Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Matrix Analyzed 10/03/23 05:01 10/03/23 05:01 10/03/23 05:01	: Solic
	atile Organic Result <0.00199 <0.00199 <0.00199 <0.00398	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Matrix Analyzed 10/03/23 05:01 10/03/23 05:01 10/03/23 05:01 10/03/23 05:01	: Solid
Date Collected: 09/25/23 00:00 Date Received: 09/28/23 08:44 Method: SW846 8021B - Vola Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	atile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00398 <0.00199	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Matrix Analyzed 10/03/23 05:01 10/03/23 05:01 10/03/23 05:01 10/03/23 05:01	Dil Fac

1,4-Difluorobenzene (Surr)

Total TPH

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Total BTEX	Result <0.00398	Qualifier	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/03/23 05:01	Dil Fac
Method: SW846 8015 NM - I Analyte	-	O <mark>rganics (</mark> Qualifier	DRO) (GC) _{RL}	MDL	Unit	D	Prepared	Analyzed	Dil Fac

49.9

mg/Kg

70 - 130

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

55 S1-

<49.9 U

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/28/23 13:45	09/29/23 16:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/28/23 13:45	09/29/23 16:49	1
C10-C28)									
Oll 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,	lon Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		5.03		mg/Kg			10/02/23 15:03	1

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

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

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

Lab Sample ID: 880-33747-9

Matrix: Solid

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Method: SW846 8021B - Volat Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		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		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	
m-Xylene & p-Xylene	<0.00399		0.00399		mg/Kg		09/29/23 16:49	10/03/23 05:21	1
o-Xylene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	
Xylenes, Total	< 0.00399		0.00399		mg/Kg		09/29/23 16:49	10/03/23 05:21	
······	0.00000	•	0100000				00,20,20 .0110	10/00/20 00:21	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	94		70 - 130				09/29/23 16:49	10/03/23 05:21	
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130				09/29/23 16:49	10/03/23 05:21	
Method: TAL SOP Total BTEX	- Total BTE	X Calcula	ition						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/03/23 05:21	
Method: SW846 8015 NM - Die		-							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			09/29/23 17:10	
Method: SW846 8015B NM - D)iesel Range	e Organic	s (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	П	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	
C10-C28)	-00.0	0	00.0		iiig/itg		00/20/20 10.40	00/20/20 11:10	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	104		70 - 130				09/28/23 13:45	09/29/23 17:10	
o-Terphenyl	92		70 - 130				09/28/23 13:45	09/29/23 17:10	
Method: EPA 300.0 - Anions, I	lon Chroma	tography	- Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	67.0		5.05		mg/Kg			10/02/23 15:23	
lient Sample ID: V-4 (1')						18	ab Sample	ID: 880-337	47-10
ate Collected: 09/25/23 00:00									: Solid
ate Received: 09/28/23 08:40								inder 12	
Method: SW846 8021B - Volat	ile Organic	Compour	nds (GC)						
Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	
Toluene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	
Ethylbenzene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	
n-Xylene & p-Xylene	<0.00200		0.00200		mg/Kg mg/Kg		09/29/23 10:49	10/03/23 05:42	
p-Xylene	<0.00401		0.00200		mg/Kg mg/Kg		09/29/23 10:49	10/03/23 05:42	
S-Xylenes, Total	<0.00200		0.00200		mg/Kg mg/Kg		09/29/23 16:49		
vienes, iotai	<u></u> \0.00401	0	0.00401		iiig/ixg		03123123 10.49	10/03/23 03.42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		70 - 130				09/29/23 16:49	10/03/23 05:42	

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09/29/23 16:49 10/03/23 05:42

1,4-Difluorobenzene (Surr)

70 - 130

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

Matrix: Solid

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Lab Sample ID: 880-33747-10

Project/Site: Devon West Red Lake Client Sample ID: V-4 (1')

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

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/03/23 05:42	
Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Fotal TPH	<49.5	U	49.5		mg/Kg		··	09/29/23 17:33	
Mothod: SW846 801EB NM	Diacol Bong	Organica							
Method: SW846 8015B NM - [Qualifier		MDI	11	D	Drenered	Analyzad	
Analyte Gasoline Range Organics	Kesult <49.5			MDL			Prepared	Analyzed 09/29/23 17:33	Dil Fa
GRO)-C6-C10	<49.5	0	49.5		mg/Kg		09/20/23 13:45	09/29/23 17:33	
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	
Oll Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
I-Chlorooctane	125		70 - 130				09/28/23 13:45	09/29/23 17:33	
p-Terphenyl	107		70 - 130				09/28/23 13:45	09/29/23 17:33	
Method: EPA 300.0 - Anions,	Ion Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Chloride	77.1		5.04		mg/Kg		·	10/02/23 15:30	
								Matrix	
ate Received: 09/28/23 08:40	tile Organic		ds (GC)						
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte	t <mark>ile Organic</mark> Result	Qualifier		MDL		D	Prepared	Analyzed	
ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola	tile Organic	Qualifier	• •	MDL	Unit mg/Kg	D	Prepared 09/29/23 16:49		
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene	t <mark>ile Organic</mark> Result	Qualifier		MDL		<u>D</u>	09/29/23 16:49	Analyzed	
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene	tile Organic Result <0.00199	Qualifier U U	RL 0.00199	MDL	mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04	
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte	tile Organic Result <0.00199 <0.00199	Qualifier U U U	RL 0.00199 0.00199	MDL	mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04	
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00199	Qualifier U U U U	RL 0.00199 0.00199 0.00199	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04	
Ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene p-Xylene	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04	
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene o-Xylene Kylenes, Total	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04	_Dil F
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene Surrogate	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04	_Dil F
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Malyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene N-Xylene Kylenes, Total Surrogate I-Bromofluorobenzene (Surr)	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 Limits	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed	_Dil F
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene Sylenes, Total Surrogate H-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 %Recovery 86 73 C - Total BTE	Qualifier U U U U U Qualifier X Calculat	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 <u>Limits</u> 70 - 130 70 - 130		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil F
Ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene Nylenes, Total Surrogate H-Bromofluorobenzene (Surr) y-4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 %Recovery 86 73 C - Total BTE Result	Qualifier U U U U U Qualifier X Calculat Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 RL		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit	D	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed Analyzed	Dil F
Ate Received: 09/28/23 08:40 Aethod: SW846 8021B - Volation Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene -Xylene & p-Xylene -Xylenes, Total Surrogate E-Bromofluorobenzene (Surr) A-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 %Recovery 86 73 C - Total BTE	Qualifier U U U U U Qualifier X Calculat Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 <u>Limits</u> 70 - 130 70 - 130		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil F
Ate Received: 09/28/23 08:40 Method: SW846 8021B - Volation Method: SW846 8021B - Volation Methol: SW846 8021B - Volation Method: TAL SOP Total BTEX Method: TAL SOP Total BTEX Method: SW846 8015 NM - Di	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 73%Recovery 86 73%Recovery 86 73%Recovery 86 73%Recovery 86 73%Recovery 8686 73C - Total BTE Result <0.0039880 </td <td>Qualifier U U U U Qualifier X Calculat Qualifier U Drganics (</td> <td>RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 Limits 70 - 130 70 - 130 0.00398</td> <td>MDL</td> <td>mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg <u>Unit</u> mg/Kg</td> <td> <u>D</u></td> <td>09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared</td> <td>Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04</td> <td>Dil F</td>	Qualifier U U U U Qualifier X Calculat Qualifier U Drganics (RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 Limits 70 - 130 70 - 130 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg <u>Unit</u> mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil F
Ate Received: 09/28/23 08:40 Aethod: SW846 8021B - Volation Analyte Benzene Benzene Bouene Sthylbenzene -Xylene & p-Xylene -Xylene & p-Xylene -Xylenes, Total Surrogate -Bromofluorobenzene (Surr) ,4-Difluorobenzene (Surr) Aethod: TAL SOP Total BTEX Method: SW846 8015 NM - Di Malyte	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 %Recovery 86 73 C - Total BTE Result <0.00398 esel Range Result	Qualifier U U U U Qualifier V Calculat Qualifier U Organics (Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit		09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil F
Ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene Nylene & p-Xylene Xylenes, Total Surrogate I-Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Method: SW846 8015 NM - Di Analyte	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 73%Recovery 86 73*Result <0.00398	Qualifier U U U U Qualifier V Calculat Qualifier U Organics (Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 Limits 70 - 130 70 - 130 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg <u>Unit</u> mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil F
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Foluene Ethylbenzene	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 73 C - Total BTE Result <0.00398 esel Range Result <50.3	Qualifier U U U U U U U Qualifier U Drganics (Qualifier U	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 70 - 130 70 - 0.00398 BRO) (GC) RL 50.3	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil F Dil F Dil F
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene O-Xylene Kylenes, Total Surrogate F-Bromofluorobenzene (Surr) A-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Method: SW846 8015 NM - Di Analyte Fotal TPH	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 73 %Recovery 86 73 C - Total BTE Result <0.00398	Qualifier U U U U U U U Qualifier U Drganics (Qualifier U	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 70 - 130 70 - 0.00398 BRO) (GC) RL 50.3	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil F
ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene D-Xylene (ylenes, Total Surrogate H-Bromofluorobenzene (Surr) I,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - D	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 73 %Recovery 86 73 C - Total BTE Result <0.00398	Qualifier U U U U Qualifier V C Qualifier U Organics (Qualifier U Organics (Qualifier	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 <u>Limits</u> 70 - 130 70 - 130 70 - 130 70 - 130 BRO 0.00398 DRO) (GC) RL 50.3	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 00/23/23 07:04 09/29/23 17:55	Dil F Dil F Dil F

Eurofins Midland

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

RL

50.3

RL

RL

0.00199

0.00199

0.00199

0.00398

0.00199

0.00398

Limits

70 - 130

70 - 130

RI

RL

50.4

0.00398

5.00

Limits

70 - 130

70 - 130

MDL

MDL

MDL Unit

MDL Unit

MDL

mg/Kg

Unit

mg/Kg

mg/Kg

mg/Kg

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09/29/23 16:49

Prepared

Prepared

09/28/23 13:45 09/29/23 17:55

Lab Sample ID: 880-33747-12

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

Oll Range Organics (Over C28-C36)

Analyte

Surrogate

o-Terphenyl

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

1-Chlorooctane

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

	Dogo

Job ID: 880-33747-1 SDG: Eddy County	
Lab Sample ID: 880-33747-11 Matrix: Solid	

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Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

1

1

1

Dil Fac

Dil Fac

Dil Fac

1

1

Matrix: Solid

1

1

Analyzed

09/29/23 17:55

Analyzed

09/29/23 17:55

Analyzed

10/02/23 15:50

Analyzed

10/03/23 07:25

10/03/23 07:25

10/03/23 07:25

10/03/23 07:25

10/03/23 07:25

10/03/23 07:25

Analvzed

10/03/23 07:25

Analyzed

10/03/23 07:25

Analyzed

09/29/23 18:17

09/29/23 16:49 10/03/23 07:25

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac <50.4 U 50.4 09/28/23 13:45 Gasoline Range Organics mg/Kg 09/29/23 18:17 (GRO)-C6-C10 **Diesel Range Organics (Over** <50.4 U 50.4 mg/Kg 09/28/23 13:45 09/29/23 18:17 C10-C28) Oll 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 70 - 130 09/28/23 13:45 09/29/23 18:17 110 97 70 - 130 09/28/23 13:45 09/29/23 18:17 o-Terphenyl 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

Analyte **Result Qualifier** Chloride 88.3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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

%Recovery

Result Qualifier

Result Qualifier

Qualifier

<0.00199 U

<0.00199 U

<0.00199 U

<0.00398 U

<0.00199 U

<0.00398 U

83

95

<0.00398 U

Result Qualifier

Result Qualifier

<50.4 U

%Recoverv

Qualifier

<50.3 U

120 102

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

Date Received: 09/28/23 08:40

RL

MDL Unit

D

Prepared

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

Analyte

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

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

Result Qualifier

Deveren	Result	Quanner			Unit		Fiepaieu		
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 BTE	X Calculat	ion						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398		0.00398		mg/Kg			10/03/23 07:45	1
					iiig/itg			10/00/20 01:10	
Method: SW846 8015 NM - Die			DRO) (GC)						
Analyte		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 - D	iesel 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
Oll 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, I	on Chroma	tography -	Soluble						
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result 89.5	Qualifier	RL 4.99	MDL	Unit mg/Kg	D	Prepared	Analyzed 10/02/23 16:03	Dil Fac
Analyte Chloride	89.5	Qualifier		MDL				10/02/23 16:03	1
Analyte Chloride Client Sample ID: H-4 (SU	89.5	Qualifier		MDL				10/02/23 16:03	1
Analyte Chloride Ilient Sample ID: H-4 (SU ate Collected: 09/25/23 00:00	89.5	Qualifier		MDL				10/02/23 16:03	1 2 47-14
Analyte Chloride lient Sample ID: H-4 (SU ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40	89.5 JRFACE)		4.99	MDL				10/02/23 16:03	1 2 47-14
Analyte Chloride Lient Sample ID: H-4 (SU ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat	89.5 JRFACE) ile Organic Result	Compound Qualifier	4.99	MDL	mg/Kg			10/02/23 16:03	1 2 47-14
Analyte Chloride Client Sample ID: H-4 (SL ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte	89.5 JRFACE) ile Organic	Compound Qualifier	4.99		mg/Kg	 La	ib Sample	10/02/23 16:03 ID: 880-337 Matrix	1 2 47-14 :: Solid
Analyte Chloride Client Sample ID: H-4 (SU vate Collected: 09/25/23 00:00 vate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene	89.5 JRFACE) ile Organic Result	Compound Qualifier U	4.99		mg/Kg	 La	b Sample Prepared	10/02/23 16:03 ID: 880-337 Matrix Analyzed	1 247-14 :: Solid Dil Fac
Analyte Chloride Client Sample ID: H-4 (SU pate Collected: 09/25/23 00:00 pate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene	89.5 JRFACE) ile Organic Result <0.00200	Compound Qualifier U U	4.99 ds (GC) <u>RL</u> 0.00200		Unit mg/Kg	 La	Prepared 09/29/23 16:49	10/02/23 16:03 ID: 880-337 Matrix Analyzed 10/03/23 08:06	1 247-14 :: Solid Dil Fac 1
Analyte Chloride Client Sample ID: H-4 (SU Date Collected: 09/25/23 00:00 Date Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	89.5 JRFACE) ile Organic Result <0.00200 <0.00200	Compound Qualifier U U U	4.99 4.99 4.99 4.99 4.99 4.99 4.99 4.99		Unit mg/Kg mg/Kg mg/Kg	 La	Prepared 09/29/23 16:49 09/29/23 16:49	10/02/23 16:03 ID: 880-337 Matrix Analyzed 10/03/23 08:06 10/03/23 08:06	1 247-14 :: Solid Dil Fac 1 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
Surrogate 4-Bromofluorobenzene (Surr)	<u>%Recovery</u> 96	Qualifier	Limits 70 - 130		Prepared 09/29/23 16:49	Analyzed 10/03/23 08:06	Dil Fac

Eurofins Midland

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

Analyzed

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

Lab Sample ID: 880-33747-13 Matrix: Solid

Dil Fac

Client: NT Global Project/Site: Devon West Red Lake Job ID: 880-33747-1

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

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	T
Method: SW846 8015 NM - Die	esel Range (Organics ((DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Fotal TPH	<50.0	U	50.0		mg/Kg			09/29/23 19:01	1	2
/lethod: SW846 8015B NM - D	iesel Range	• Organics	6 (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	ī.
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 19:01	1	
GRO)-C6-C10										1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 19:01	1	
C10-C28)										
II Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 19:01	1	
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Chlorooctane	97		70 - 130				09/28/23 13:45	09/29/23 19:01	1	
Terphenyl	85		70 - 130				09/28/23 13:45	09/29/23 19:01	1	
lethod: EPA 300.0 - Anions, I	on Chroma	tography -	Soluble							
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	78.0		4.99		mg/Kg			10/02/23 16:10	1	

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SDG: Eddy County

Matrix: Solid

Surrogate Summary

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

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

Γ			Р	ercent 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		2
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

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

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

Prep Type: Total/NA

Prep Type: Total/NA

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

Surrogate Summary

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

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl Page 49 of 200

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

Eurofins Midland

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

Method: 8021B - Volatile Organic Compounds (GC)

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

	MB	MB							
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 02:17	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
	МВ	МВ							
Surrogate	%Recovery	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

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%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

	LCS	LCS	
Surrogate	%Recovery	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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	LCSD	LCSD	
Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

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

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

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

Prep Type: Total/NA

Prep Batch: 63672

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

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

Lab Sample ID: 880-3374 Matrix: Solid Analysis Batch: 63714	7-1 M S							Clier	nt Sample ID: V-1 (6") Prep Type: Total/NA Prep Batch: 63672
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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
	MS	MS							
Surrogate	%Recovery	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

Analysis Batch: 63714									Prep E	Batch: 6	63672	
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	i
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	ï
o-Xylene	<0.00200	U	0.0990	0.09774		mg/Kg		99	70 - 130	6	35	

	MSD	MSD	
Surrogate	%Recovery	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

Client Sample ID: V-1 (6")

Prep Type: Total/NA

Analyte	Result	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
	МВ	MB							
Surrogate	%Recovery	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)

MB MB

Lab Sample ID: MB 880-63535/ Matrix: Solid Analysis Batch: 63577	'1-A							le ID: Method Prep Type: To Prep Batch:	otal/NA
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 08:01	1

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

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

Lab Sample ID: MB 880-635 Matrix: Solid	535/1-A								Clie	ent Samp	Prep Ty	pe: To	tal/NA
Analysis Batch: 63577	N	ІВ МВ									Prep E	batch:	00035
Analyte		ID MID	RL		мрі	Unit		D	Р	repared	Analyz	zed	Dil Fac
Diesel Range Organics (Over C10-C28)			50.0			mg/K	g	-		28/23 13:45			1
Oll Range Organics (Over C28-C36)	<50	.0 U	50.0			mg/K	g		09/2	8/23 13:45	09/29/23	08:01	1
Sumonoto		1B MB ry Qualifier	. Limita						_	wa na wa d	Amaha		
Surrogate 1-Chlorooctane		$\frac{Quanner}{S1+}$	<u>Limits</u> 70 - 130							repared 28/23 13:45	Analy2		Dil Fac
o-Terphenyl		74 S1+	70 - 130							.0/23 13:45 ?8/23 13:45			1
	11	14 371	70-750						03/2	.0/23 13.43	09/29/25	00.07	,
Lab Sample ID: LCS 880-63	535/2-A						Cli	ent	Sai	mple ID:	Lab Cor	ntrol S	ample
Matrix: Solid										•	Prep Ty		
Analysis Batch: 63577											Prep E		
			Spike	LCS	LCS	6					%Rec		
Analyte			Added	Result	Qua	alifier	Unit		D	%Rec	Limits		
Gasoline Range Organics			1000	1088			mg/Kg			109	70 - 130		
(GRO)-C6-C10													
Diesel Range Organics (Over C10-C28)			1000	1062			mg/Kg			106	70 - 130		
	LCS L	cs											
Surrogate	%Recovery G	ualifier	Limits										
1-Chlorooctane	111		70 - 130										
o-Terphenyl	128		70 - 130										
Lab Sample ID: LCSD 880-6 Matrix: Solid Analysis Batch: 63577	63535/3-A		Spike	LCSD	1.05		Client S	an	nple	ID: Lab	Control Prep Ty Prep E %Rec	pe: To	tal/NA
Analyte			Added	Result			Unit		D	%Rec	Limits	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
0.00000)	LCSD L	CSD											
Surrogate	%Recovery G	alifier	Limits										
1-Chlorooctane	115		70 - 130										
o-Terphenyl	125		70 - 130										
Lab Sample ID: 890-5338-A	-1-F MS								CI	lient Sam	nple ID:	Matrix	Spike
Matrix: Solid											Prep Ty		
Analysis Batch: 63577	Sample S	ample	Spike	MS	MS						Prep E %Rec	Batch:	63535
Analyte	Result Q	-	Added	Result		alifier	Unit		D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9		1010	1293			mg/Kg			125	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9 U	I	1010	1151			mg/Kg			114	70 - 130		
	MS N	IS											
Surrogate	%Recovery Q		Limits										
1-Chlorooctane	116		70 - 130										

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Job ID: 880-33747-1

SDG: Eddy County

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

94

o-Terphenyl

70 - 130

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	Samp	le ID: N	latrix Spil		
Matrix: Solid									Prep Ty	-	
Analysis Batch: 63577	. .									Batch:	
Ameliate	•	Sample	Spike		MSD	11		0/ D = =	%Rec		RPD
Analyte		Qualifier	Added		Qualifier	Unit	<u>D</u>	%Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1312		mg/Kg		127	70 - 130	1	20
Diesel Range Organics (Over	<49.9	U	1010	1174		mg/Kg		117	70 - 130	2	2
C10-C28)						5. 5					
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	119		70 - 130	-							
o-Terphenyl	95		70 - 130								
lethod: 300.0 - Anior	s, Ion Chro	omatogra	phy								
Lab Sample ID: MB 880-0	2400/4 A						Cliv	ant Son		othod	Plan
Matrix: Solid	55462/1-A						Cile	ant San	nple ID: M Prep T		
Analysis Batch: 63759									Prep 1	ype: So	ומטוכ
Analysis Batch. 05/59		МВ МВ									
Analyte	Re	sult Qualifie	r	RL	MDL Unit		D P	repared	Analy	zed	Dil Fa
Chloride		5.00 U	·	5.00	mg/K			repuied	10/02/23		Birra
		0.00 0		0.00		9			10,02,20		
Lab Sample ID: LCS 880	-63482/2-A					Clie	nt Sa	mple ID	: Lab Cor	ntrol Sa	ampl
Matrix: Solid									Prep T	ype: So	olubl
Analysis Batch: 63759											
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	241.7		mg/Kg		97	90 - 110		
Lab Sample ID: LCSD 88	0-63482/3-4					lient Sa	mnle	ID· I al	o Control	Sample	
Matrix: Solid	0 00 102/0 / (mpio	10. 201	Prep T		
Analysis Batch: 63759										, , , , , , , , , , , , , , , , , , , ,	
			Spike	LCSD	LCSD				%Rec		RP
Analyte			Added	_	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Chloride			250	241.8		mg/Kg		97	90 - 110	0	2
Lab Sample ID: 880-3374	7-8 MS							Clie	nt Sample		
Matulus Callal									Prep T	vne Sc	dub
									I ICP I	ype. ot	
Matrix: Solid Analysis Batch: 63759									%Rec	ype. ot	

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	100		252	329.2		mg/Kg		91	90 - 110		
Lab Sample ID: 880-33747- Matrix: Solid Analysis Batch: 63759	-8 MSD							Clie	nt Sample Prep Ty		
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	100		252	330.5		mg/Kg		92	90 - 110	0	20

Eurofins Midland

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

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	Ргер Туре	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	

Job ID: 880-33747-1

SDG: Eddy County

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

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	- <u> </u>
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	Ргер Туре	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

Eurofins Midland

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

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

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	Ргер Туре	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	Ргер Туре	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	

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

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

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	5
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	8
880-33747-9	V-4 (6")	Soluble	Solid	300.0	63482	
880-33747-10	V-4 (1')	Soluble	Solid	300.0	63482	Ç
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	1
_						ī

Job ID: 880-33747-1

SDG: Eddy County

Eurofins Midland

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

Project/Site: Devon West Red Lake

Client Sample ID: V-1 (6")

Date Collected: 09/25/23 00:00

Date Received: 09/28/23 08:40

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Client: NT Global

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Lab Chronicle

Initial

Amount

5.01 g

5 mL

9.98 g

1 uL

4.98 g

50 mL

Dil

1

1

1

1

1

Factor

Run

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

Lab Sample ID: 880-33747-1

Analyst

MNR

Lab Sample ID: 880-33747-2

Lab Sample ID: 880-33747-3

Prepared

or Analyzed

09/29/23 16:49

10/03/23 02:38 MNR

10/03/23 02:38 SM

09/29/23 13:52 SM

09/28/23 13:45 TKC

09/29/23 13:52 SM

09/28/23 10:01 SMC

10/02/23 14:04 CH

Batch

63672

63714

63885

63744

63535

63577

63482

63759

Number

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Matrix: Solid

Lab

EET MID

Matrix: Solid

Matrix: Solid

Soluble Analysis 300.0 Client Sample ID: Background-1 (6") Date Collected: 09/25/23 00:00

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

Method

Date Received: 09/28/23 08:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

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

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

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-33747-4

Lab Sample ID: 880-33747-5

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

Project/Site: Devon West Red Lake

Client: NT Global

	Batch	Batch	_	Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ТКС	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

Lab Sample ID: 880-33747-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	EET MID

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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.09 g 1 uL	10 mL 1 uL	63535 63577	09/28/23 13:45 09/29/23 16:26		EET MID EET MID

Eurofins Midland

Matrix: Solid

Client: NT Global

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

Lab Sample ID: 880-33747-7

Lab Sample ID: 880-33747-8

Lab Sample ID: 880-33747-9

Project/Site: Devon West Red Lake Client Sample ID: V-3 (6") Date Collected: 09/25/23 00:00 Date Received: 09/28/23 08:40

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Eurofins Midland

Matrix: Solid

Matrix: Solid

Matrix: Solid

Initial

Amount

5.02 g

5 mL

9.95 g

1 uL

5 g

50 mL

Initial

Batch

63672

63714

63885

63744

63535

63577

63482

63759

Batch

Number

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Final

Dil

1

1

1

1

1

D:1

Factor

Run

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

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

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Client Sample ID: H-2 (SURFACE)

Leach

Prep

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

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

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

Analyst

MNR

Prepared

or Analyzed

09/29/23 16:49

10/03/23 07:04 MNR

10/03/23 07:04 SM

09/29/23 17:55 SM

09/28/23 13:45 TKC

09/29/23 17:55 SM

09/28/23 10:01 SMC

10/02/23 15:50 CH

Droparod

Lab

EET MID

Matrix: Solid

Lab Sample ID: 880-33747-12 Matrix: Solid

Lab Sample ID: 880-33747-13

Lab Sample ID: 880-33747-14

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

	Batch	Batch		ווט	initial	Final	Datch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID	

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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Eurofins Midland

Matrix: Solid

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

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

Lab Sample ID: 880-33747-14 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			63744	09/29/23 19:01	SM	EET MIC
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63535	09/28/23 13:45	ТКС	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	СН	EET MID

Laboratory References:

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

Eurofins Midland

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

Accreditation/Certification Summary

Page 63 of 200

		Accre	ditation/Cert	ification Summary		
Client: NT C Project/Site	Blobal : Devon West I	Red Lake			Job ID: 880-33747-1 SDG: Eddy County	2
Laborato	ry: Eurofins	6 Midland				
Unless otherwi	se noted, all analy	rtes for this laboratory w	vere covered under eacl	h accreditation/certification below.		
Authority		Progra	ım	Identification Number	Expiration Date	
Texas		NELAF)	T104704400-23-26	06-30-24	
The fo	llowing analvtes a	re included in this repor	t. but the laboratory is r	not certified by the governing authori	tv. This list may include analytes	5
		es not offer certification		, , , , ,	, , ,	
	sis Method	Prep Method	Matrix	Analyte		
8015 I			Solid	Total TPH		
Total E	BTEX		Solid	Total BTEX		
						8
						9
						10
						13

Eurofins Midland

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

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	

Revised Date 05012020 Rev 2020.1					6									
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					2	5	8	1	/	6	KC	R		alex gavia
Date/Time	Received by: (Signature)	ure)	by: (Signature)	Relinquished by	R		Dater		K	ed by Signature	Received		r (Signature)	Relinquished by (Signature)
		inless previously negotiated	ss previous	mple submitted to Xenco, but not analyzed. These terms will be enforced unle	ese terms w	lyzed. Th	but not ana	d to Xenco,	sample submitte	arge of \$5 for each	pject and a ch	applied to each pr	arge of \$85.00 will be	or Aerico. A minimum chi
	tions ontrol	It assigns standard terms and conditions re due to circumstances beyond the control	andard ter. umstances	actors. It assigns st sses are due to circ	id subcontra nt if such los	filiates an y the clie	(enco, its af s incurred b	ompany to X	der from client co X for any losses	a valid purchase or ne any responsibili	s constitutes ; ;hall not assun	t of samples and s	liable only for the cos	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assign of service. Xenco will be liable only for the cost of amples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to
													Comments:	
					×	×	×		- G	×		9/25/2023		V-5 (1')
					×	×	×		G	×		9/25/2023		V-5 (6")
					×	×	×		G	×		9/25/2023		V-4 (1')
					×	×	×		G	×		9/25/2023		V-4 (6")
					×	×	×		G	×		9/25/2023		V-3 (2')
					×	×	×	1	G	×		9/25/2023		V-3 (1')
					×	×	×	_	G	×		9/25/2023		V-3 (6")
					×	×	×		G	×		9/25/2023		V-2 (1')
					×	×	×	-	9	×		9/25/2023		V-2 (6")
	H H M				×	×	×		G	×		9/25/2023		V-1 (6")
Sample Comments	ŝ					Т		p #of	Water Comp	Soll	Time	Date	ntification	Sample Identification
NaOH+Ascorbic Acid SAPC	NaOH+/					PH 8		╨	10.0					
Zn Acetate+NaOH Zn	Zn Aceta				с 		 		39C	re reading	Temperature Reading	NU UN	Ies	Total Containers
Na ₂ S ₂ O ₃ . NaSO ₃					hlor		BTE:	 F	.	Factor	Correction Factor		- Ies	Coviel Custouy Jeak
NaHSO ₄ NABIS					ide 3		X 80:	Para	影		Inermomet	ہ		Cooler Cristody Seals
HP	H₃PO₄ HP						21B	 met	Key No	Wet Ice:	Yes (Ng) Wet	biank:	1	
H ₂ NaOH Na	H ₂ S04 H ₂				D 			ters					-	
	HCL HC					MRO		ō 	y received by th d bv 4 30pm	TAT starts the day received by the lab if received by 4 30pm		alex gavia	a	DO #
ool MeOH Me	Cool Cool			· · · · · ·)		<u> </u>	Standard	Due Date		eddy, county	edc	Project Location
IO DI Water H ₂ O	None NO		-			-		Code	LI Rush			21/811		Project Number
Preservative Codes	Pa	DUEST	LYSIS REQUEST	ANALY				Page	round	ſum		devon, west red lake	devon,	Project Name:
Other	Deliverables EDEX ADaPT	Deliverabl						Iglobal cr	Email' Jesessums@ntglobal.com	Email' [e			432-101-2139	
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_		State of Project:							Address.	A			209 w McKay st	Address.
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and the second	Work Order Comments					1		-	Bill to. (if different)	B		SWC	ETHAN SESSUMS	Project Manager
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Chain of Custody

Work Order No: ____ Loc: 880 33747

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Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

<6mm (1/4").

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

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	N/A	

Eurofins Midland Released to Imaging: 5/10/2024 11:00:40 AM 14

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

List Source: Eurofins Midland



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. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	WEST RED LAKE UNIT #072 237811 ETHAN SESSUMS	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.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SU MIDLAND TX, 79706	JITE C		Project Num Project Mana	ber: 237			072	C	Reported: 6-Dec-23 15:	55
				- 1 1-1.5 339-01 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds Chloride	480		16.0	mg/kg	4	3112224	AC	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	oy 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)	1		102 %	71.5	-134	3112126	JH/	22-Nov-23	8021B	
Petroleum Hydrocarbons by G	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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 237			072	C	Reported: 6-Dec-23 15:	55
				1 2-2.5 339-02 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	496		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	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 (P	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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager
NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 237)72	Reported: 06-Dec-23 15:55			
				1 3-3.5 339-03 (So	sil)					
			11200.	00 (50	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	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 (P	ID)		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	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
			BACKGR H236	OUND - 339-04 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	672		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	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 (P	ID)		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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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
			BACKGR	OUND - 339-05 (So						
			11230	339-03 (30	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	480		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method 8	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 (P	PID)		117 %	71.5	-134	3112127	JH	22-Nov-23	8021B	
Petroleum Hydrocarbons by	y 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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
			BACKGR H236	OUND - 339-06 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	928		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	ls 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	ЛН	22-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	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. MIDLAND TX, 79706		Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:						Reported: 06-Dec-23 15:55		
			BACKGR H2363	OUND - 339-07 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1360		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	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	ЛН	22-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		116 %	71.5	-134	3112127	JH	22-Nov-23	8021B	
Petroleum Hydrocarbons by	y 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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Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55				
				2 2-2.5 339-08 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds	160		16.0			2112226		22.31 22	4500 CL D	
Chloride	<16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	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	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		119 %	71.5	-134	3112127	ЛН	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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Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 237)72	Reported: 06-Dec-23 15:55			
				3 1-1.5 339-09 (So	oil)					
)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
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	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		117 %	71.5	-134	3112127	ЛН	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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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 237)72	Reported: 06-Dec-23 15:55				
				3 2-2.5						
			H236	339-10 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		117 %	71.5	-134	3112127	ЛН	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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Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, iber: 237		Reported: 06-Dec-23 15:55				
				- 3 - 3-3.5 339-11 (So						
			112000	11 (50	,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	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	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		118 %	71.5	-134	3112127	ЛН	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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55				
				3 4-4.5 339-12 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	16.0		16.0	mg/kg	4	3112226	НМ	22-Nov-23	4500-Cl-B	
			10.0	ilig/kg	-	5112220	11101	22-100-25	4500-61-8	
Volatile Organic Compound		021								
Benzene*	< 0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	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	Л	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		117 %	71.5	-134	3112127	ЛН	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. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55				
				4 1-1.5 339-13 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	<16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80)21								
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	ЈН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		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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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 237)72	Reported: 06-Dec-23 15:55				
				4 2-2.5						
			H236	339-14 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
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	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		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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Inorganic Compounds - Quality Control Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	WEST RED LAKE UNIT #072 237811 ETHAN SESSUMS	Reported: 06-Dec-23 15:55
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laboratories
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
maryu	Kesult	Liillt	Units	Level	Kesun	/0NEC	Liiiits	ΝΓD	Liiiit	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. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	WEST RED LAKE UNIT #072 237811 ETHAN SESSUMS	Reported: 06-Dec-23 15:55	
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laborat	ories

Analyta	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Kesuit	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3112127 - Volatiles										
Blank (3112127-BLK1)				Prepared: 2	21-Nov-23	Analyzed: 2	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: 2	21-Nov-23	Analyzed: 2	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: 2	21-Nov-23	Analyzed: 2	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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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	WEST RED LAKE UNIT #072 237811 ETHAN SESSUMS	Reported: 06-Dec-23 15:55	
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Petroleum Hydrocarbons by GC FID - Quality Control

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	3			
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	3			
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	3			
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: 2	21-Nov-23 A	Analyzed: 2	22-Nov-23			
				•		•				

Blank (3112123-BLK1)				Prepared: 21-Nov-23 An	alyzed: 2	2-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	<i>93.8</i>	48.2-134
Surrogate: 1-Chlorooctadecane	47.7		mg/kg	50.0	95.4	49.1-148

Cardinal Laboratories

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 06-Dec-23 15:55
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Petroleum Hydrocarbons by GC FID - Quality Control

		Reporting		Spike	Source		%REC		RPD							
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes						
Batch 3112123 - General Prep - Organics																
LCS (3112123-BS1)				Prepared &	Analyzed:	21-Nov-23	3									
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: 2	21-Nov-23 A	Analyzed: 2	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	3									
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									
	42.7		mg/kg	50.0		85.4	49.1-148									
Surrogate: 1-Chlorooctadecane	72.7		Prepared & Analyzed: 22-Nov-23													
Surrogate: 1-Chlorooctadecane LCS (3112204-BS1)	42.7		6 6	Prepared &	Analyzed:	22-Nov-23	3									
	216	10.0	mg/kg	Prepared & 200	Analyzed:	22-Nov-23	66.4-123									
LCS (3112204-BS1)		10.0 10.0		1	Analyzed:											
LCS (3112204-BS1) GRO C6-C10	216		mg/kg	200	z Analyzed:	108	66.4-123									
LCS (3112204-BS1) GRO C6-C10 DRO >C10-C28	216 203	10.0	mg/kg mg/kg	200 200	z Analyzed:	108 101	66.4-123 66.5-118									

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	WEST RED LAKE UNIT #072 237811 ETHAN SESSUMS	Reported: 06-Dec-23 15:55
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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	3			
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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Company Name:	NTG Environmental	nental			Company Name	ID.	Devo.	Nevon	NS .	Work Ord	Work Order Comments	
Address:	209 W McKay St	/ St			Address:	·0.	Devoi			Program: UST/PST PRP Brownfields	rownfields RRC	
City, State ZIP:	Carlsbad, NM 88220	88220			City, State ZIP							
Phone:	432-701-2159			Email:	Email: esessums@ntglobal.com	ntglobal.co	3 -			Deliverables: EDD AD	ADaPT Other	
Project Name:	West R	West Red Lake Unit #072	072	Turr	Turn Around							
Project Number:		237811		✓ Routine	Rush	Pres.		_	ANALYSIS REQUEST	UEST	Preserva	Preservative Codes
Project Location		Eddy, Co		Due Date:		Cone		_			None: NO	DI Water: H ₂ O
Sampler's Name:	Cla	Clayton Tumas		TAT starts the	TAT starts the day received by the	ē		RO)			Cool: Cool	MeOH: Me
PO #		094698801		lab, if rece	lab, if received by 4:30pm			+ MR			HCL: HC	HNO3: HN
SAMPLE RECEIPT		Temp Blank:	Yes NO	Wet Ice:	Yes No	eters	в				H ₂ SO ₄ : H ₂	NaOH: Na
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Total Containers	als: Yes	NO NIA	Temperatu	Temperature Reading:	-1.90		B1				Na ₂ S ₂ U ₃ : NaSU ₃)3
Sample		Ŧ	Corrected	Corrected Lemperature:				H 80 ⁻			NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Identification	Depth (ft bgs)	Date	Time	Soil	Water Comp	p Cont		TP			Sample (Sample Comments
V-1	1-1.5	11/20/2023	10:00	×	Grab	-	×	×				
V-1	2-2.5	11/20/2023	10:03	×	Grab	0 1	×	×				
Daughtours	3-3.5	11/20/2023	10:06	×	Grab	0 1	×	×				
Backsground	1.	11/20/2023	10:09	×	Grab	1	×	XX				
backy pund-	2.7-7	11/20/2023	10:12	×	Grab	1	×	X X				
backagound	- J-J.J	11/20/2023	10:15	×	Grab	1	×	X X				
	2.2.2.5	11/20/2023	10:18	×	Grab	-	×	× ×				
N N N	4.4.6	11/20/2023	10:21	×	Grab	1	×	X X				
CAN	1-1.5	11/20/2023	10:24	×	Grab	1	×	×				
	C.2-2	11/20/2023	10:27	×	Grab	1	×	X X				
Additio	Additional Comments:	*0	usta	ustomen J	ngus	stel	Saug	uple	1 ID chauzes	15. 90.12/s/23		
vorce: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. 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 ar 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 er	locument and relinquiable only for the course of \$85.00 will be	uishment of sample st of samples and s applied to each pr	es constitute shall not assu oject and a c	s a valid purchase ıme any responsit harge of \$5 for eac	order from client c bility for any losses ch sample submitte	ompany to X or expenses of to Xenco,	(enco, its a s incurred but not an	iffiliates an by the clier alyzed. The	voruce: 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 neochard			
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		Man M	by: (Signature)	sume any respons charge of \$5 for e	es a valid purchas	ner t						×	×	×	×		Soil	Corrected Temperature:	Temperature Reading:	n Factor:	neter ID:	Wet Ice:	lab, if received by 4:30pm	TAT starts th	Due Date:	✓ Routine	Tu	Email:						
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				y losses or submitted to	I client com	cust						Grab	Grab	Grab	Grab	Comp	Grab/		900			No	30pm	ed by the		5		esessums@ntglobal.com	ate ZIP:		Company Name:	f different)		
		1-21-23	Da	expenses ir) Xenco, bu	pany to Xer	e							-	-	-	Cont	# of			Pa	ram	eter	s		and	Pres.		lobal.con						Chain of Custody
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te 05012020			Date/Time													Sample Comments	NaUH+Ascorbic Acid: SAPC	OH: Zn	C _w	S		NaOH: Na	HNO3: HN	MeO	DIW	Preservative Codes		_	_					22/201
Rev. 2020.1			Ĩe													ents	APC					1: Na	HN	MeOH: Me	DI Water: H ₂ O	odes				uperfund			с –	Q
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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

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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



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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 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. 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

Attachments:

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



Dmitry Nikanorov Project Scientist



NTGE Project No.: 237811

Ethan Sessums

Morgan, Crisha A <camorgan@blm.gov></camorgan@blm.gov>
Monday, April 1, 2024 4:26 PM
Ethan Sessums
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 |<u>camorgan@blm.gov</u>



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

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

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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

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(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		

Page	2
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Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

If YES, for what reason(s) does the responsible party consider this a major release?
ice 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: <u>575-748-1838</u>
OCD Only	
Received by: <u>Shelly Wells</u>	Date: <u>9/7/2023</u>

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

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

CONDITIONS

Created By Condition scwells None

CONDITIONS

Action 261848

Condition Date

9/7/2023

SITE CHARACTERIZATION INFORMATION

NMOCD Closure Criteria

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 (19.1	I5.29.12.B(4) ai	nd Table 1 NM	AC)				
Depth to Groundwater (ft)		Closure Criteria (mg/kg)					
Deptil to Groundwater (it)		Chloride*	TPH	GRO + DRO	BTEX	Benzene	
< 50	Х	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						
<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		600	100		50	10	
<300 ft from an occupied permanent residence, school, hospital,		000	100		50	10	
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

2/16/2024, 2:32:29 PM		1:4,514
Override 1	Oil, Cancelled	0 0.03 0.07 0.13 mi
Wells - Large Scale	Oil, Plugged	0 0.05 0.1 0.2 km
Injection, Active	rst Occurrence Potential	
Oil, Active	High PLSS Second Division	BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD, Maxar, BLM
	PLSS First Division	New Mexico Oil Conservation Division

Released to Imaging: 5/10/20/24/ 11:00:40://///mmnd.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



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 .

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STATE ENGINEER OFFICE DECLARATION OF OWNERSHIP OF LIVESTOCK WATER DAM OR TO (Note: Read Instructions on Back of Form) e of ReceiptMay 19, 1992	LWD-RA-83	<pre>best best best best best best</pre>
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(Note: Read Instructions on Back of Form) e of ReceiptMay 19, 1992 Declaration No	LWD-RA-83	re) nbed, (eet;
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width of crest, <u>N/A</u> feet; slope of upstream face, <u>N/A</u> to 1.0 vertical; slope of downward face, <u>N/A</u> vertical; nature of riprap or other protection placed ove <u>N/A</u> Give type, size and maximum discharge of outlet pipe, if used (if none say none). <u>None</u> Maximum water surface area <u>1</u> acres; storage capa acre feet; dam contains approximately <u>N/A</u> Approximate physical properties of spillway; bottom width depth of flow <u>N/A</u> feet; discharge capacity <u>N/A</u> Grassed Earth (rock, shale, clay, grassed earth	N/A horizontal to	
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vertical; nature of riprap or other protection placed ove N/A Give type, size and maximum discharge of outlet pipe, if used (if none say none). None Maximum water surface area acres; storage capa acre feet; dam contains approximately N/A Approximate physical properties of spillway; bottom width depth of flow N/A feet; discharge capacity N/A c spillway is located in Grassed Earth (rock, shale, clay, grassed eart		
$\frac{N/A}{Maximum discharge of outlet pipe, if}$ Give type, size and maximum discharge of outlet pipe, if used (if none say none). None Maximum water surface area acres; storage capa acre feet; dam contains approximately N/A Approximate physical properties of spillway; bottom width depth of flow N/A feet; discharge capacity N/A c spillway is located in Grassed Earth (rock, shale, clay, grassed earth	over water face of c	> 1.0
Give type, size and maximum discharge of outlet pipe, if used (if none say none). None Maximum water surface area acres; storage capa acre feet; dam contains approximately N/A Approximate physical properties of spillway; bottom width depth of flow N/A feet; discharge capacity N/A c spillway is located in Grassed Earth (rock, shale, clay, grassed eart		ian,
used (if none say none). None Maximum water surface area acres; storage capa acre feet; dam contains approximately N/A Approximate physical properties of spillway; bottom width depth of flow N/A feet; discharge capacity N/A c spillway is located in Grassed Earth (rock, shale, clay, grassed earth		
used (if none say none). None Maximum water surface area acres; storage capa acre feet; dam contains approximately N/A Approximate physical properties of spillway; bottom width depth of flow N/A feet; discharge capacity N/A c spillway is located in Grassed Earth (rock, shale, clay, grassed earth	f any, and type of	gate
Maximum water surface area acres; storage capa acre feet; dam contains approximatelyN/A Approximate physical properties of spillway; bottom width depth of flowN/A feet; discharge capacity N/A c spillway is located in Grassed Earth (rock, shale, clay, grassed earth		9
acre feet; dam contains approximately N/A Approximate physical properties of spillway; bottom width depth of flow N/A feet; discharge capacity N/A c spillway is located in Grassed Earth (rock, shale, clay, grassed earth		
acre feet; dam contains approximately N/A Approximate physical properties of spillway; bottom width depth of flow N/A feet; discharge capacity N/A c spillway is located in Grassed Earth (rock, shale, clay, grassed earth	****	
Approximate physical properties of spillway; bottom width depth of flow $\frac{N/A}{A}$ feet; discharge capacity $\frac{N/A}{A}$ c spillway is located in $\frac{Crassed Earth}{(rock, shale, clay, grassed earth}$		
depth of flow $\frac{N/A}{A}$ feet; discharge capacity $\frac{N/A}{A}$ c spillway is located in Grassed Earth (rock, shale, clay, grassed earth	_ cubic yards of en	arth.
depth of flow $\frac{N/A}{A}$ feet; discharge capacity $\frac{N/A}{A}$ c spillway is located in Grassed Earth (rock, shale, clay, grassed earth	Ith K/A feet a	ے Kimuni
spillway is located in Grassed Earth (rock, shale, clay, grassed eart	< m	
Spillway is located in (rock, shale, clay, grassed eart Dam or tank was constructed under the supervision of $\frac{N}{\sqrt{nam}}$		
Dam or tank was constructed under the supervision of $\frac{N}{\sqrt{n}}$	rth, bare earth, e	<u>: U</u> []c)
N / Λ^{max}	N/A ₹ Ţ	
and was completed in <u>N/R</u>	lame agency, decrara	
or engineer) Name of contractor that built dam N/A	(give date)	HOE
This is a natural water	r hole that h	
Additional information natural water		 15

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.

<u>5-11-92</u> Date

May 30 1994 My Commission Expires

Subscribed and sworn to before me this

19 % day of 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
Ranbid: LWD-5541 1074811

INVESTIGATIVE REPORT

May 26, 1992 DATE:

TO: File LWD-RA-83

FROM: Mike Stapleton, Water Resource Technician III

SUBJECT: Livestock Watering Dam

SUBDIVISION	SECTION	TOWNSHIP	RANGE	<u>ACRES</u>
NWŁSEŁNWŁ	8	18S	27E	

USE: Livestock Watering

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

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

<u>Intel Staplet</u> Mike Stapleton

Water Resource Technician III

MS/tg cc: Santa Fe Hydro Section Received by OCD: 5/7/2024 11:12:44 AM



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

ſ. .

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

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National Wetlands Inventory

West Red Lake Unit #072



Wetlands

- Estuarine and Marine Wetland
- Estuarine and Marine Deepwater Freshwater Forested/Shrub Wetland
 - **Freshwater Pond**

Freshwater Emergent Wetland

Lake Other Riverine 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.

Received by OCD: 5/7/2024 11:12:44 AM National Flood Hazard Layer FIRMette

104°18'27"W 32°46'11"N



Legend

Page 113 of 200

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



Releasea to Imaging: 5/10/2024 PP.00:40 AM 1,500 2,000

Basemap Imagery Source: USGS National Map 2023

TABLES

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

										TPH			
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	GRO + DRO	MRO	Total GRO/DRO/MRO	Chloride
Committee ID		Depth						(C6-C10)	(C10-C28)	(C6-C35)	(C28-C35)	(C6-C35)	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
						Tabl	e I Closure Crite	eria for Soil ≤ 50 fe	eet Depth to Gro	undwater 19.15.29 I	NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
						Verti	cal Delineation	Samples					
	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
V-1	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
	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
V-2	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
V-2	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
	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
V-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	16
V-3	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
	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
V-4	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
v-4	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
						В	ackground Sam	ples					
	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
Background-1	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
DuckBround 1	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
						Horizo	ntal Delineation	n 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

3. Bold indicates Analyte Detected

2.< = Value Less Than Reporting Limit (RL)

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).

Sample Point Excavated

4. BTEX analyses by EPA Method SW 8021B

9. --- Not Analyzed

FIGURES



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West Red Lake Unit #072



West Red Lake Unit #072



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





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

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National Cooperative Soil Survey

Page 1 of 3



USDA Natural Resources Conservation Service Released to Imaging: 5/10/2024 11:00:40 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%



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

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



Environment Testing

Page 130 of 200

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.



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

AMER

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Not Detected at the reporting limit (or MDL or EDL if shown)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

MPN

MQL

NC

ND NEG

POS

PQL

QC

RER

RPD

TEF

TEQ

TNTC

RL

PRES

Client: NT Global	
Project/Site: Devon West Red Lake	Э
j	
Qualifiers	

Quanners		<u> </u>
GC VOA		
Qualifier	Qualifier Description	4
S1-	Surrogate recovery exceeds control limits, low biased.	
S1+	Surrogate recovery exceeds control limits, high biased.	5
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	Α	
Qualifier	Qualifier Description	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		8
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	9
Glossary		10
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	10
DER	Duplicate Error Ratio (normalized absolute difference)	13
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)	

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.

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

RL

MDL Unit

D

Prepared

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

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

Analyte

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

Result Qualifier

Analyte	Result	quaimer			Unit		Tiepareu	Analyzeu	Dirruo
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 BTE	X Calculat	tion						
Analyte		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 - Die									
Analyte		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 - D	Jiesel Range	Organics							
Analyte		Qualifier	RL	мы	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1		50.1		mg/Kg		<u> </u>	09/29/23 13:52	1
(GRO)-C6-C10	\$00.1	0	50.1		mg/itg		03/20/23 13:43	00/20/20 10:02	
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 13:52	1
C10-C28)					5 5				
Oll 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 Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.02		mg/Kg			10/02/23 14:04	1
Client Sample ID: Backgr	ound-1 (6'	')				L	ab Sample	e ID: 880-33	3747-2
Date Collected: 09/25/23 00:00								Matrix	: Solid
Date Received: 09/28/23 08:40									
Method: SW846 8021B - Volat	tile Organic	Compour	ds (GC)						
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		0.00201		mg/Kg		09/29/23 16:49	10/03/23 02:58	1
Toluene	< 0.00201		0.00201		mg/Kg			10/03/23 02:58	1
Ethylbenzene	< 0.00201		0.00201		mg/Kg			10/03/23 02:58	1
m-Xvlene & p-Xvlene	< 0.00402		0.00402		mg/Kg mg/Kg			10/03/23 02:58	

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

Lab Sample ID: 880-33747-1

Analyzed

Matrix: Solid

Dil Fac

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

12/5/2023 (Rev. 1)

Client: NT Global Project/Site: Devon West Red Lake Job ID: 880-33747-1 SDG: Eddy County

Lab Sample ID: 880-33747-2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/03/23 02:58	
Method: SW846 8015 NM - Di		-				_	_ .		
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Total TPH	<50.1	U	50.1		mg/Kg			09/29/23 14:15	
Method: SW846 8015B NM - I	Diesel Range	• Organics	s (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	
C10-C28) Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/28/23 13:45	09/29/23 14:15	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	123		70 - 130					09/29/23 14:15	
o-Terphenyl	113		70 - 130					09/29/23 14:15	
Method: EPA 300.0 - Anions, Analyte		tography - Qualifier	- Soluble RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	31.3	Quaimer	5.01	WIDL	mg/Kg		Flepaleu	10/02/23 14:10	Dirra
Villonde	01.0		0.01		ing/itg			10/02/20 14:10	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40		Compour	do (CC)					Matrix	: Soli
Client Sample ID: Backgr ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte	tile Organic	Compoun Qualifier	ds (GC) RL	MDL	Unit	D	Prepared	Matrix Analyzed	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola	tile Organic	Qualifier		MDL		<u>D</u>	Prepared 09/29/23 16:49		Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte	tile Organic Result	Qualifier U	RL	MDL	mg/Kg	<u>D</u>	· · · · · · · · · · · · · · · · · · ·	Analyzed	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene	tile Organic Result <0.00199	Qualifier U U	RL 0.00199	MDL	mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49	Analyzed 10/03/23 03:19	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene	tile Organic Result <0.00199 <0.00199 <0.00199	Qualifier U U U	RL 0.00199 0.00199 0.00199	MDL	mg/Kg mg/Kg mg/Kg	D	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398	Qualifier U U U U	RL 0.00199 0.00199 0.00199 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	tile Organic Result <0.00199 <0.00199 <0.00199	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene b-Xylene Xylenes, Total Surrogate	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 Limits	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 Analyzed	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery 86	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene p-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery 86 62	Qualifier U U U U U U U Qualifier S1-	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 Limits 70 - 130 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 Analyzed 10/03/23 03:19	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 %Recovery 86 62 C - Total BTE	Qualifier U U U U U U U U U S1- X Calcula	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 1.00398 2.00398 0.00398 0.00398 1.00398 2.00398 1.00398		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 Analyzed 10/03/23 03:19 10/03/23 03:19	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 %Recovery 86 62 C - Total BTE Result	Qualifier U U U U U U Qualifier S1- X Calcular Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 Tion		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit	D	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 %Recovery 86 62 C - Total BTE Result <0.00398	Qualifier U U U U U U U U U U S 1- X Calcula Qualifier U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130 tion RL 0.00398		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 Analyzed 10/03/23 03:19 10/03/23 03:19	Dil Fa
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ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 62 C - Total BTE Result <0.00398 esel Range Result	Qualifier U U U U U U U U U U U U S 1- X Calcula Qualifier U Organics Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130 70 - 130 0.00398 Limits 0.00398 Limits 70 - 130 70 - 130 70 - 130 RL 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit		09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 Analyzed 10/03/23 03:19 Analyzed 10/03/23 03:19	Dil Fa Dil Fa Dil Fa
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ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - D	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 62 C - Total BTE Result <0.00398 esel Range Result <50.5 Diesel Range	Qualifier U U U U U Qualifier S1- X Calcular Qualifier U Organics Qualifier U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130 70 - 130 0.00398 (DRO) (GC) RL 50.5 s (DRO) (GC) (GC)	MDL MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 Analyzed 10/03/23 03:19 0/03/23 03:19	Dil Fa Dil Fa Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - Di Analyte	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 62 C - Total BTE Result <0.00398 esel Range Result <50.5 Diesel Range Result	Qualifier U U U U U Qualifier S1- X Calcula Qualifier U Organics Qualifier U	RL 0.00199 0.00199 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 70 - 130 0.00398 (DRO) (GC) RL 50.5 6 (DRO) (GC) RL	MDL MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg Unit Unit	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared Prepared	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 00/03/23 03:19 00/29/23 14:37 Analyzed 09/29/23 14:37	Dil Fa Dil Fa Dil Fa Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - D	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 62 C - Total BTE Result <0.00398 esel Range Result <50.5 Diesel Range	Qualifier U U U U U Qualifier S1- X Calcula Qualifier U Organics Qualifier U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130 70 - 130 0.00398 (DRO) (GC) RL 50.5 s (DRO) (GC) (GC)	MDL MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared Prepared	Analyzed 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 10/03/23 03:19 Analyzed 10/03/23 03:19 0/03/23 03:19	Dil Fa Dil Fa Dil Fa

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Matrix: Solid

5

Project/Site: Devon West Red Lake

Client: NT Global

5

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

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
			Motrix: Colid

Matrix: Solid

Analyte	-	Organics Qualifier	RL	-	Unit	D	Prepared	Analyzed	Dil Fa
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 14:37	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	117		70 - 130				09/28/23 13:45	09/29/23 14:37	
o-Terphenyl	104		70 - 130					09/29/23 14:37	
Method: EPA 300.0 - Anions,	lon Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	33.0		5.00		mg/Kg			10/02/23 14:30	
Client Sample ID: V-2 (6")						L	ab Sample	D: 880-33	3747-4
Date Collected: 09/25/23 00:00 Date Received: 09/28/23 08:40								Matrix	: Solic
Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:39	
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 03:39	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 03:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		70 - 130				09/29/23 16:49	10/03/23 03:39	
1,4-Difluorobenzene (Surr)	48	S1-	70 - 130				09/29/23 16:49	10/03/23 03:39	
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/03/23 03:39	
Method: SW846 8015 NM - Die	esel Range	Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.4	U	50.4		mg/Kg			09/29/23 14:58	
Method: SW846 8015B NM - D)iesel Range	• Organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	
Oll Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 14:58	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	111		70 - 130				09/28/23 13:45	09/29/23 14:58	
o-Terphenyl	97		70 - 130				09/28/23 13:45	09/29/23 14:58	
Method: EPA 300.0 - Anions,	lon Chroma	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	24.7		5.00		mg/Kg			10/02/23 14:37	

RL

MDL Unit

D

Prepared

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

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

Analyte

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

Result Qualifier

, mary to	Rooun	quanner			U	-	rioparoa	/ mary zou	Burao
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 BTE	X Calcula	tion						
Analyte		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 - Die		-				_			
Analyte		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 - D									
Analyte		Qualifier		МП	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8		49.8		mg/Kg			09/29/23 15:42	1
(GRO)-C6-C10	~43.0	0	49.0		mg/rtg		09/20/20 10.40	03/23/23 13.42	
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/28/23 13:45	09/29/23 15:42	
C10-C28)					0 0				
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/28/23 13:45	09/29/23 15:42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
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 Chroma	tography ·	- 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
lient Sample ID: V-2 (2')						L	ab Sample	e ID: 880-33	5747-6
ate Collected: 09/25/23 00:00							-	Matrix	: Solic
ate Received: 09/28/23 08:40									
Method: SW846 8021B - Volat	tile Organic	Compoun	ds (GC)						
Analyte		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		0.00201		mg/Kg			10/03/23 04:20	1
,	5.00-01								

12/5/2023 (Rev. 1)

Dil Fac

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

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

Analyzed

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

Matrix: Solid

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Lab Sample ID: 880-33747-6

Project/Site: Devon West Red Lake Client Sample ID: V-2 (2')

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

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/03/23 04:20	
Method: SW846 8015 NM - Die	esel Range (Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.6	U	49.6		mg/Kg			09/29/23 16:04	
Method: SW846 8015B NM - D	Diesel Range	organics	; (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	
GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:04	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
-Chlorooctane	108		70 - 130				09/28/23 13:45	09/29/23 16:04	
p-Terphenyl	97		70 - 130				09/28/23 13:45	09/29/23 16:04	
viethou: EPA JUU.U - ANIONS, I		lography -	OUTUDIC						
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fa
Analyte				MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/02/23 14:50	Dil Fa
Analyte Chloride	Result 94.9		RL	MDL			· · · ·		
Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00	Result 94.9		RL	MDL			· · · ·	10/02/23 14:50	
Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40		Qualifier	<u>RL</u> 4.97	MDL			· · · ·	10/02/23 14:50 ID: 880-33	3747-
Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat	Result 94.9	Qualifier	RL 4.97		mg/Kg	 L	.ab Sample	10/02/23 14:50 a ID: 880-33 Matrix	8747- :: Soli
Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte	Result 94.9) tile Organic Result	Qualifier Compoun Qualifier	RL 4.97 ds (GC) RL		mg/Kg		.ab Sample	10/02/23 14:50 a ID: 880-33 Matrix Analyzed	8747- :: Soli
Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene	Result 94.9) tile Organic Result <0.00199	Qualifier Compoun Qualifier U	RL 4.97 ds (GC) RL 0.00199		Unit mg/Kg	 L	-ab Sample Prepared 09/29/23 16:49	10/02/23 14:50 iD: 880-33 Matrix <u>Analyzed</u> 10/03/23 04:41	8747- :: Soli
Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene	Result 94.9) tile Organic Result <0.00199	Qualifier Compoun Qualifier U U	RL 4.97 ds (GC) RL 0.00199 0.00199		Unit mg/Kg mg/Kg mg/Kg	 L	-ab Sample Prepared 09/29/23 16:49 09/29/23 16:49	10/02/23 14:50 ID: 880-33 Matrix <u>Analyzed</u> 10/03/23 04:41 10/03/23 04:41	8747- :: Soli
Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene	Result 94.9) tile Organic Result <0.00199	Qualifier Compoun Qualifier U U U	RL 4.97 ds (GC) RL 0.00199 0.00199 0.00199		Unit mg/Kg mg/Kg mg/Kg mg/Kg	 L	Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	10/02/23 14:50 ID: 880-33 Matrix <u>Analyzed</u> 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41	8747- :: Soli
Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene	Result 94.9) tile Organic Result <0.00199	Qualifier Compound Qualifier U U U U U	RL 4.97 ds (GC) RL 0.00199 0.00199 0.00199 0.00398		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	 L	Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 14:50 ID: 880-33 Matrix Matrix 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41	8747- :: Soli
Analyte Chloride Lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Foluene Coluene Chlylbenzene n-Xylene & p-Xylene D-Xylene	Result 94.9) tile Organic Result <0.00199	Qualifier Qualifier Qualifier U U U U U U U	RL 4.97 ds (GC) RL 0.00199 0.00199 0.00199 0.00398 0.00199		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	 L	Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/02/23 14:50 Analyzed 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41	8747- :: Soli
Analyte Chloride Lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene D-Xylene	Result 94.9) tile Organic Result <0.00199	Qualifier Qualifier Qualifier U U U U U U U	RL 4.97 ds (GC) RL 0.00199 0.00199 0.00199 0.00398		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	 L	Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 14:50 ID: 880-33 Matrix Matrix 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41	8747- :: Soli
Analyte Chloride lient Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene S-Xylene Kylenes, Total Surrogate	Result 94.9) tile Organic Result <0.00199	Qualifier Qualifier Qualifier U U U U U U U U U U U U U U U	RL 4.97 4.97 ds (GC) RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 Limits		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	 L	Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 14:50 ID: 880-33 Matrix Analyzed 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41	3747- c: Soli
Method: EPA 300.0 - Anions, Analyte Chloride Chloride Chloride Client Sample ID: V-3 (6" ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene & p-Xylene o-Xylene, Total Surrogate 4-Bromofluorobenzene (Surr)	Result 94.9) tile Organic Result <0.00199	Qualifier Qualifier Qualifier U U U U U U U U U U U U U U U	RL 4.97 ds (GC) RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 0.00398		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	 L	Prepared 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/02/23 14:50 Analyzed 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41 10/03/23 04:41	8747-

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/03/23 04:41	
Method: SW846 8015 NM - D)iesel Range (Organics (I	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.6	U	49.6		mg/Kg			09/29/23 16:26	
Method: SW846 8015B NM -	Diesel Range	• Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:26	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		09/28/23 13:45	09/29/23 16:26	

Eurofins Midland

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

Client: NT Global

Analyte

Surrogate

o-Terphenyl

Analyte

Chloride

Total TPH

1-Chlorooctane

Client Sample Results

RL

49.6

RL

4.98

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

D

D

D

Prepared

Prepared

Prepared

Prepared

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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

Oll Range Organics (Over C28-C36)

Client Sample ID: V-3 (1')

Project/Site: Devon West Red Lake

Lab Sample I	D: 880-33747-7
	D. 000-33/4/-/
	Matrix: Solid

Matrix: Solid Analyzed Dil Fac 09/28/23 13:45 09/29/23 16:26 Analyzed Dil Fac 09/28/23 13:45 09/29/23 16:26 1 09/28/23 13:45 09/29/23 16:26 1 Analyzed Dil Fac 10/02/23 14:57 1 Lab Sample ID: 880-33747-8 Matrix: Solid

Dil Fac

1

Analyzed

09/29/23 16:49

Date Collected: 09/25/2 Date Received: 09/28/2			
Method: SW846 8021	B - Volatile Organic	Compound	ds (GC)
Analyte	Result	Qualifier	F
Benzene	< 0.00199	U	0.0019
			0.004

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

%Recovery

Result Qualifier

Result Qualifier

Qualifier

<49.6 U

105

93

92.3

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

RL

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 - Dies	el Range	Organics (I	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

49.9

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

<49.9 U

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/28/23 13:45	09/29/23 16:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/28/23 13:45	09/29/23 16:49	1
C10-C28)									
Oll 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 Chroma	tography -	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: NT Global Project/Site: Devon West Red Lake

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

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

Lab Sample ID: 880-33747-9

Matrix: Solid

5

Method: SW846 8021B - Vola Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	
oluene	< 0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	
Ethylbenzene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	
							09/29/23 16:49	10/03/23 05:21	
n-Xylene & p-Xylene	<0.00399		0.00399		mg/Kg				
-Xylene	< 0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:21	
íylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/23 16:49	10/03/23 05:21	
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
-Bromofluorobenzene (Surr)	94		70 - 130				09/29/23 16:49	10/03/23 05:21	
,4-Difluorobenzene (Surr)	66	S1-	70 - 130				09/29/23 16:49	10/03/23 05:21	
lethod: TAL SOP Total BTE	(- Total BTE	X Calculat	ion						
nalyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
otal BTEX	<0.00399	U	0.00399		mg/Kg		. <u> </u>	10/03/23 05:21	
lethod: SW846 8015 NM - Di	osol Rango	Organics (
nalyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
otal TPH	<50.0		50.0		mg/Kg	<u>_</u>		09/29/23 17:10	
la irii	<50.0	0	50.0		mg/rtg			09/29/23 17.10	
lethod: SW846 8015B NM - I	-	-	(DRO) (GC)						
nalyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
asoline Range Organics GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	
iesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	
10-C28)					0 0				
Il Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 17:10	
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
Chlorooctane	104		70 - 130				09/28/23 13:45	09/29/23 17:10	
Terphenyl	92		70 - 130				09/28/23 13:45	09/29/23 17:10	
lethod: EPA 300.0 - Anions,	Ion Chroma	tography -	Soluble						
nalyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
hloride	67.0		5.05		mg/Kg			10/02/23 15:23	
ient Sample ID: V-4 (1')						La	ab Sample	ID: 880-337	'47-'
te Collected: 09/25/23 00:00								Matrix	: Sol
te Received: 09/28/23 08:40									
lethod: SW846 8021B - Vola						_	_		
nalyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil F
enzene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	
bluene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	
hylbenzene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	
-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/29/23 16:49	10/03/23 05:42	
Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:49	10/03/23 05:42	
lenes, Total	<0.00401	U	0.00401		mg/Kg		09/29/23 16:49	10/03/23 05:42	
yienes, iotai									
	%Recoverv	Qualifier	Limits				Prepared	Analvzed	Dil F
urrogate -Bromofluorobenzene (Surr)	%Recovery 91	Qualifier	Limits				Prepared 09/29/23 16:49	Analyzed 10/03/23 05:42	Dil F

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

Matrix: Solid

5

Lab Sample ID: 880-33747-10

Project/Site: Devon West Red Lake Client Sample ID: V-4 (1')

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

Client: NT Global

Method: TAL SOP Total BTEX Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	-	0.00401		mg/Kg			10/03/23 05:42	
Method: SW846 8015 NM - Di		-							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Fotal TPH	<49.5	U	49.5		mg/Kg			09/29/23 17:33	
Method: SW846 8015B NM - I	Diesel Range	organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.5		49.5		mg/Kg			09/29/23 17:33	
GRO)-C6-C10		•					00,20,20 10110	00/20/20 11:00	
Diesel Range Organics (Over	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	
C10-C28)					0 0				
Oll Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		09/28/23 13:45	09/29/23 17:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
I-Chlorooctane	125	quamer	70 - 130				<u> </u>	09/29/23 17:33	
	125								
p-Terphenyl	107		70 - 130				09/20/23 13:45	09/29/23 17:33	
Method: EPA 300.0 - Anions,									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	77.1		5.04		mg/Kg			10/02/23 15:30	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40		Compour						Matrix	: Soli
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola	tile Organic			MDL	Unit	D	Prepared		
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte	tile Organic Result	Qualifier		MDL		<u>D</u>	Prepared 09/29/23 16:49	Analyzed	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene	tile Organic Result <0.00199	Qualifier	RL 0.00199	MDL	mg/Kg	<u>D</u>	09/29/23 16:49	Analyzed 10/03/23 07:04	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Toluene	tile Organic Result <0.00199 <0.00199	Qualifier U U	RL 0.00199 0.00199	MDL	mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Foluene Ethylbenzene	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00199	Qualifier U U U	RL 0.00199 0.00199 0.00199	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398	Qualifier U U U U U	RL 0.00199 0.00199 0.00199 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene o-Xylene	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04	
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene S-Xylene Kylenes, Total	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199	Qualifier U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 0.00398 Limits	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Foluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398	Qualifier U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Foluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 0.00398 Limits	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Foluene Ethylbenzene m-Xylene & p-Xylene b-Xylene Kylenes, Total Surrogate t-Bromofluorobenzene (Surr) t,4-Difluorobenzene (Surr)	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 %Recovery 86 73	Qualifier U U U U U U Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 D.00398 D.00398 70 - 130 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 <u>Analyzed</u> 10/03/23 07:04	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene Sylene (ylenes, Total Surrogate H-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery 86 73 C - Total BTE	Qualifier U U U U U U Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 D.00398 D.00398 70 - 130 70 - 130		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Malyte Benzene Foluene Sthylbenzene n-Xylene & p-Xylene Stylene & p-Xylene Sylene Sylene & p-Xylene Sylene & p-Xylene & p-Xylene Sylene & p-Xylene & p-Xylene Sylene & p-Xylene & p-Xyl	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery 86 73 C - Total BTE	Qualifier U U U U U Qualifier Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 <u>Analyzed</u> 10/03/23 07:04	Dil F
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Malyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene Sylene & p-Xylene Cylenes, Total Surrogate H-Bromofluorobenzene (Surr) 4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Malyte Fotal BTEX	tile Organic Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <0.00398 %Recovery 86 73 C - Total BTE Result <0.00398	Qualifier U U U U U Qualifier V Calculat Qualifier U	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 0.00398		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit		09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed Analyzed	Dil F
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volar Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene D-Xylene & p-Xylene (ylenes, Total Surrogate I-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 73 C - Total BTE Result <0.00398	Qualifier U U U U Qualifier X Calculat Qualifier U Organics (RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 Limits 70 - 130 70 - 130 70 - 0.00398 Limits 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg <u>Unit</u> mg/Kg	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volar Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene D-Xylene & p-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 86 73 C - Total BTE Result <0.00398	Qualifier U U U U Qualifier V X Calculat Qualifier U Organics (Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit		09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed Analyzed	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene D-Xylene & p-Xylene Cylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery%Recovery8673C - Total BTEResult<0.00398	Qualifier U U U U U Qualifier U Organics (Qualifier U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits 70 - 130 70 - 130 70 - 130 70 - 130 50.03	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 Analyzed 10/03/23 07:04	Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Foluene Ethylbenzene m-Xylene & p-Xylene o-Xylene & p-Xylene o-Xylene Kylenes, Total Surrogate H-Bromofluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Fotal BTEX Method: SW846 8015 NM - Di Analyte Fotal TPH Method: SW846 8015B NM - I	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery %Recovery 86 73 %Recovery 86 73 C - Total BTE Result <0.00398	Qualifier U U U U Qualifier V C Calculat Qualifier U Organics (Qualifier U Organics set (Qualifier U	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 0.00398 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Constant RL 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 00/23/23 07:04 09/29/23 17:55	Dil Fa Dil Fa Dil Fa
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Vola Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene b-Xylene & p-Xylene b-X	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery %Recovery 86 73 C - Total BTE Result <0.00398	Qualifier U U U U Qualifier V C Qualifier U Organics (Qualifier U Organics (Qualifier U	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 <u>Limits</u> 70 - 130 70 - 130 70 - 130 70 - 130 70 - 503 EDRO) (GC) RL 50.3 5 (DRO) (GC) RL	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg Unit Unit	<u>D</u>	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 00/23 07:04 09/29/23 17:55 Analyzed	Dil Fa
Ilient Sample ID: H-1 (SU ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40 Method: SW846 8021B - Volat Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene D-Xylene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10	tile Organic Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery %Recovery 86 73 %Recovery 86 73 C - Total BTE Result <0.00398	Qualifier U U U U Qualifier V C Qualifier U Organics (Qualifier U Organics (Qualifier U	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 0.00398 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Constant RL 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	D	09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 09/29/23 16:49 Prepared Prepared	Analyzed 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 10/03/23 07:04 00/23/23 07:04 09/29/23 17:55	Dil Fa Dil Fa Dil Fa

RL

50.3

RL

5.00

RL

0.00199

0.00199

0.00199

0.00398

0.00199

0.00398

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

D

Prepared

Prepared

Prepared

Prepared

09/29/23 16:49

09/29/23 16:49

09/29/23 16:49

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

Oll Range Organics (Over C28-C36)

Date Collected: 09/25/23 00:00

Date Received: 09/28/23 08:40

Analyte

Surrogate

o-Terphenyl

Analyte

Chloride

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

1-Chlorooctane

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

Client Sample ID: H-2 (SURFACE)

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

%Recovery

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Result Qualifier

Result Qualifier

Result Qualifier

Qualifier

<50.3 U

120 102

88.3

<0.00199 U

<0.00199 U

<0.00199 U

<0.00398 U

<0.00199 U

<0.00398 U

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed
4-Bromofluorobenzene (Surr)	83		70 - 130				09/29/23 16:49	10/03/23 07:25
1,4-Difluorobenzene (Surr)	95		70 - 130				09/29/23 16:49	10/03/23 07:25
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/03/23 07:25

	ethod: 500846 8015 NW - Dies	sel Range (Jrganics (DRU) (GC)						
A	nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tc	tal 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	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 18:17	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.4	U	50.4		mg/Kg		09/28/23 13:45	09/29/23 18:17	1
C10-C28)									
Oll 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 Chroma	tography -	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

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

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

09/28/23 13:45 09/29/23 17:55

09/28/23 13:45 09/29/23 17:55

09/28/23 13:45 09/29/23 17:55

Lab Sample ID: 880-33747-12

09/29/23 16:49 10/03/23 07:25

09/29/23 16:49 10/03/23 07:25

09/29/23 16:49 10/03/23 07:25

Analyzed

Analyzed

Analyzed

10/02/23 15:50

Analyzed

10/03/23 07:25

10/03/23 07:25

10/03/23 07:25

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

1

1

1

1

1

Dil Fac

Dil Fac

Matrix: Solid

1

1

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

RL

0.00199

MDL Unit

mg/Kg

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

Analyte

Benzene

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

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

Result Qualifier

<0.00199 U

Delizelle	~0.00199	0	0.00199		mg/r.g		09/29/23 10.49	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
n-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/23 16:49	10/03/23 07:45	1
Kylenes, 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
-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 BTE	X Calcula	tion						
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 - Die	esel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	<50.5	U	50.5		mg/Kg			09/29/23 18:39	1
Method: SW846 8015B NM - D	iesel Range	e Organice	s (DRO) (GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
asoline Range Organics GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 18:39	1
liesel Range Organics (Over 10-C28)	<50.5	U	50.5		mg/Kg		09/28/23 13:45	09/29/23 18:39	1
Oll 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
-Chlorooctane	102		70 - 130				09/28/23 13:45	09/29/23 18:39	1
p-Terphenyl	89		70 - 130				09/28/23 13:45	09/29/23 18:39	1
Method: EPA 300.0 - Anions, I			- Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.5		4.99		mg/Kg			10/02/23 16:03	1
lient Sample ID: H-4 (SL	JRFACE)					La	ab Sample	ID: 880-337	47-14
ate Collected: 09/25/23 00:00 ate Received: 09/28/23 08:40								Matrix	: Solid
Nethod: SW846 8021B - Volat Inalyte	-	Compoun Qualifier	ids (GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/Kg		09/29/23 16:49	10/03/23 08:06	1
oluene	< 0.00200		0.00200		mg/Kg			10/03/23 08:06	1
Ethylbenzene	<0.00200		0.00200		mg/Kg			10/03/23 08:06	1
n-Xylene & p-Xylene	<0.00399		0.00399		mg/Kg			10/03/23 08:06	
p-Xylene	<0.00303		0.00200		mg/Kg			10/03/23 08:06	1
, Aylono	-0.00200	0	0.00200		ing/ing		00/20/20 10.40	10/00/20 00.00	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

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Matrix: Solid

Dil Fac

1

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

Lab Sample ID: 880-33747-13

Analyzed

10/03/23 07:45

D

Prepared

09/29/23 16:49

5
Client Sample Results

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

Date Collected: 09/25/23 00:00

Date Received: 09/28/23 08:40

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

Client Sample ID: H-4 (SURFACE)

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 - Die	esel 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 - D	liesel Range	Organics							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 19:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 19:01	1
C10-C28)									
Oll 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	
o-Terphenyl	85		70 - 130					09/29/23 19:01	-
	00		10 - 100				00,20,20 10.10	00,20,20 10.01	
Method: EPA 300.0 - Anions,	on Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.0		4.99		mg/Kg			10/02/23 16:10	1

Lab Sample ID: 880-33747-14

Matrix: Solid

5

Surrogate Summary

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

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

			P	ercent 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

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

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

Prep Type: Total/NA

Prep Type: Total/NA

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

Surrogate Summary

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

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl Page 147 of 200

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

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

Method: 8021B - Volatile Organic Compounds (GC)

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

	MB	MB							
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 02:17	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
	МВ	МВ							
Surrogate	%Recovery	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

Analysis Batch: 63714							Prep Batch: 63672
-	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%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

	LCS	LCS	
Surrogate	%Recovery	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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

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

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

Analy	ysis	Batch:	63714

Analysis Batch: 63714									Prep Ba	tch: 63672
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

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Client Sample ID: V-1 (6")

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 63672

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 63672

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

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

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

Lab Sample ID: 880-3374 Matrix: Solid Analysis Batch: 63714						Clier	nt Sample ID: V-1 (6") Prep Type: Total/NA Prep Batch: 63672		
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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
	MS	MS							
Surrogate	%Recovery	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

Analysis Batch: 63714									Prep Batch: 63672				
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	ī	
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	ĩ	
o-Xylene	<0.00200	U	0.0990	0.09774		mg/Kg		99	70 - 130	6	35		

	MSD	MSD	
Surrogate	%Recovery	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

Client Sample ID: V-1 (6")

Prep Type: Total/NA

Analyte	Result	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
	MB	MB							
Surrogate	%Recovery	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)

MB MB

Lab Sample ID: MB 880-63535/1-A Matrix: Solid Analysis Batch: 63577	L							le ID: Method Prep Type: To Prep Batch	otal/NA
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/28/23 13:45	09/29/23 08:01	1

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

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

Lab Sample ID: MB 880-635 Matrix: Solid Analysis Batch: 63577	535/1-A									Clie	ent Samp	Prep Ty	pe: To	
		ΜВ	МВ									i ich i	Jucon.	55555
Analyte			Qualifier	RL		MDL	Unit		D	Р	repared	Analy	zed	Dil Fac
Diesel Range Organics (Over C10-C28)		50.0		50.0			mg/K	g	_		8/23 13:45			1
Oll Range Organics (Over C28-C36)	<5	50.0	U	50.0			mg/K	g		09/2	8/23 13:45	09/29/23	08:01	1
•			MB							_				
Surrogate			Qualifier	Limits							repared	Analy		Dil Fac
1-Chlorooctane			S1+	70 - 130							8/23 13:45			1
o-Terphenyl		174	S1+	70 - 130						09/2	28/23 13:45	09/29/23	08:01	1
Lab Sample ID: LCS 880-63	535/2-A							Clie	ent	Sai	mple ID:	Lab Co	ntrol S	ample
Matrix: Solid												Prep Ty		
Analysis Batch: 63577														63535
				Spike	LCS	LCS	S					%Rec		
Analyte				Added	Result	Qua	alifier	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000	1088			mg/Kg		_	109	70 - 130		
(GRO)-C6-C10														
Diesel Range Organics (Over C10-C28)				1000	1062			mg/Kg			106	70 - 130		
	LCS	LCS	;											
Surrogate	%Recovery	Qua	lifier	Limits										
1-Chlorooctane	111			70 - 130										
o-Terphenyl	128			70 - 130										
Lab Sample ID: LCSD 880-6 Matrix: Solid Analysis Batch: 63577	63535/3-A			Spike	LCSD	LCS		Client S	am	ple	ID: Lab	Prep Ty	pe: To	
Analyte				Added	Result	Qua	alifier	Unit		D	%Rec	Limits	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
,	LCSD	LCS	D											
Surrogate	%Recovery	Qua	lifier	Limits										
1-Chlorooctane	115			70 - 130										
o-Terphenyl	125			70 - 130										
Lab Sample ID: 890-5338-A	-1-F MS									СІ	ient Sam	ple ID:	Matrix	Spike
Matrix: Solid												Prep Ty		
Analysis Batch: 63577	Sample	Sam	nle	Spike	МС	MS							-	63535
Analyte	Result			Added	Result			Unit		п	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9			1010	1293			mg/Kg		_	125	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U		1010	1151			mg/Kg			114	70 - 130		
	MS	MS												
Surrogate	%Recovery		lifier	Limits										
1-Chlorooctane	116	qua		70 - 130										
	110													

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94

o-Terphenyl

70 - 130

Job ID: 880-33747-1

SDG: Eddy County

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	Samp	le ID: N	latrix Spi		
Matrix: Solid									Prep Ty		
Analysis Batch: 63577	<u> </u>	. .								Batch:	
Awalista	-	Sample	Spike	-	MSD	11		0/ D = =	%Rec		RP
Analyte		Qualifier	Added 1010		Qualifier	Unit	D	%Rec	Limits	1	Lim 2
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1312		mg/Kg		127	70 - 130	1	2
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1174		mg/Kg		117	70 - 130	2	2
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	119		70 - 130	_							
o-Terphenyl	95		70 - 130								
lethod: 300.0 - Anion	s, Ion Chro	omatograp	ohy								
Lab Sample ID: MB 880-6	3482/1-A						Clie	ent Sam	nple ID: M	ethod	Blar
Matrix: Solid									Prep T		
Analysis Batch: 63759										,	
Analysis Batch. 00100		МВ МВ									
	Re	MB MB sult Qualifier		RL	MDL Unit		DP	repared	Analy	zed	Dil F
Analyte				RL 5.00	MDL Unit		<u>D</u> _P	repared	Analy: 10/02/23		Dil Fa
Analyte Chloride	<	sult Qualifier				g		•	10/02/23	13:10	
Analyte Chloride Lab Sample ID: LCS 880-	<	sult Qualifier				g		•	10/02/23	13:10	amp
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid	<	sult Qualifier				g		•	10/02/23	13:10	amp
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid	<	sult Qualifier		5.00		g		•	10/02/23	13:10	amp
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759	<	sult Qualifier	Spike Added	5.00 LCS	mg/K	g		•	10/02/23 : Lab Cor Prep T	13:10	amp
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759 Analyte	<	sult Qualifier	•	5.00 LCS	mg/K	g Clie	nt Sa	mple ID	10/02/23 : Lab Cor Prep T %Rec	13:10	
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759 Analyte Chloride	63482/2-A	sult Qualifier	Added	5.00 LCS Result	mg/K LCS Qualifier	g Clie Unit mg/Kg	nt Sa	mple ID <u>%Rec</u> 97	10/02/23 : Lab Cor Prep T %Rec Limits 90 - 110	13:10 htrol Sa ype: So	amp olub
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759 Analyte Chloride Lab Sample ID: LCSD 880	63482/2-A	sult Qualifier	Added	5.00 LCS Result	mg/K LCS Qualifier	g Clie Unit mg/Kg	nt Sa	mple ID <u>%Rec</u> 97	10/02/23 : Lab Cor Prep T %Rec Limits 90 - 110 O Control	13:10 htrol Sa ype: So Sample	amp olub e Dı
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid	63482/2-A	sult Qualifier	Added	5.00 LCS Result	mg/K LCS Qualifier	g Clie Unit mg/Kg	nt Sa	mple ID <u>%Rec</u> 97	10/02/23 : Lab Cor Prep T %Rec Limits 90 - 110	13:10 htrol Sa ype: So Sample	amp olub
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759 Analyte Chloride	63482/2-A	sult Qualifier	Added	5.00 LCS Result 241.7	mg/K LCS Qualifier	g Clie Unit mg/Kg	nt Sa	mple ID <u>%Rec</u> 97	10/02/23 : Lab Cor Prep T %Rec Limits 90 - 110 O Control	13:10 htrol Sa ype: So Sample	amp olub
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid	63482/2-A	sult Qualifier	Added 250	5.00 LCS Result 241.7	LCS Qualifier	g Clie Unit mg/Kg	nt Sa	mple ID <u>%Rec</u> 97	10/02/23 : Lab Cor Prep T %Rec Limits 90 - 110 O Control Prep T	13:10 htrol Sa ype: So Sample	amp olub e Du olub
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 63759 Analyte	63482/2-A	sult Qualifier	Added 250 Spike	5.00 LCS Result 241.7	LCS Qualifier LCSD	g Clie Unit mg/Kg Client Sa	nt Sa	mple ID <u>%Rec</u> 97 ID: Lat	10/02/23 : Lab Cor Prep T %Rec Limits 90 - 110 O Control Prep T %Rec	13:10 htrol Sa ype: So Sample ype: So	e Du olub
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 63759 Analyte Chloride	63482/2-A 	sult Qualifier	Added 250 Spike Added	5.00 LCS Result 241.7 LCSD Result	LCS Qualifier LCSD	g Clie Unit mg/Kg Client Sa Unit	nt Sa	%Rec 97 ID: Lat %Rec 97	10/02/23 : Lab Cor Prep T %Rec Limits 90 - 110 O Control Prep T %Rec Limits 90 - 110 O Control Prep T %Rec Limits 90 - 110	13:10 ntrol Sa ype: So Sample ype: So RPD 0	e Du olub e Du club RF
Analyte Chloride Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 63759 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 63759	63482/2-A 	sult Qualifier	Added 250 Spike Added	5.00 LCS Result 241.7 LCSD Result	LCS Qualifier LCSD	g Clie Unit mg/Kg Client Sa Unit	nt Sa	%Rec 97 ID: Lat %Rec 97	10/02/23 Lab Cor Prep T %Rec Limits 90 - 110 Control Prep T %Rec Limits	13:10 ntrol Sa ype: So Sample ype: So	e Du e Du club RI Lir

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	100		252	329.2		mg/Kg		91	90 - 110		
Lab Sample ID: 880-33747 Matrix: Solid Analysis Batch: 63759	-8 MSD							Clie	nt Sample Prep T		
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	100		252	330.5		mg/Kg		92	90 - 110	0	20

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

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	
380-33747-9	V-4 (6")	Total/NA	Solid	5035	
880-33747-10	V-4 (1')	Total/NA	Solid	5035	
380-33747-11	H-1 (SURFACE)	Total/NA	Solid	5035	
380-33747-12	H-2 (SURFACE)	Total/NA	Solid	5035	
380-33747-13	H-3 (SURFACE)	Total/NA	Solid	5035	
380-33747-14	H-4 (SURFACE)	Total/NA	Solid	5035	
MB 880-63672/5-A	Method Blank	Total/NA	Solid	5035	
_CS 880-63672/1-A	Lab Control Sample	Total/NA	Solid	5035	
_CSD 880-63672/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
380-33747-1 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	Ргер Туре	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	

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

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

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	- <u> </u>
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	Ргер Туре	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

Eurofins Midland

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

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

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	Ргер Туре	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	

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

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

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	10
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	8
880-33747-9	V-4 (6")	Soluble	Solid	300.0	63482	
880-33747-10	V-4 (1')	Soluble	Solid	300.0	63482	9
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	1.
-						

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

Project/Site: Devon West Red Lake

Client Sample ID: V-1 (6")

Date Collected: 09/25/23 00:00

Date Received: 09/28/23 08:40

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Client Sample ID: Background-1 (6")

Leach

Prep

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

Client: NT Global

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Lab Chronicle

Initial

Amount

5.01 g

5 mL

9.98 g

1 uL

4.98 g

50 mL

Dil

1

1

1

1

1

Factor

Run

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

Lab Sample ID: 880-33747-1

Analyst

MNR

Prepared

or Analyzed

09/29/23 16:49

10/03/23 02:38 MNR

10/03/23 02:38 SM

09/29/23 13:52 SM

09/28/23 13:45 TKC

09/29/23 13:52 SM

09/28/23 10:01 SMC

10/02/23 14:04 CH

Batch

63672

63714

63885

63744

63535

63577

63482

63759

Number

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Matrix: Solid

Lab

EET MID

Matrix: Solid

9

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

Lab Sample ID: 880-33747-3

Lab Sample ID: 880-33747-4

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	EET MID	

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63672	09/29/23 16:49	MNR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	63714	10/03/23 03:19	MNR	EET MIC
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	ТКС	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Eurofins Midland

Matrix: Solid

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

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

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-33747-4

Lab Sample ID: 880-33747-5

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

Project/Site: Devon West Red Lake

Client: NT Global

	Batch	Batch	_	Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	ТКС	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

Lab Sample ID: 880-33747-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	EET MID

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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.09 g 1 uL	10 mL 1 uL	63535 63577	09/28/23 13:45 09/29/23 16:26		EET MID EET MID

Eurofins Midland

Matrix: Solid

9

Client: NT Global

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

Lab Sample ID: 880-33747-7

Lab Sample ID: 880-33747-8

Lab Sample ID: 880-33747-9

Project/Site: Devon West Red Lake Client Sample ID: V-3 (6") Date Collected: 09/25/23 00:00 Date Received: 09/28/23 08:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ткс	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	СН	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Eurofins Midland

Matrix: Solid

Matrix: Solid

Matrix: Solid

9

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

Initial

Amount

5.02 g

5 mL

9.95 g

1 uL

5 g

50 mL

Dil

1

1

1

1

1

Factor

Run

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

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

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Client Sample ID: H-2 (SURFACE)

Leach

Prep

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

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

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

Analyst

MNR

Prepared

or Analyzed

09/29/23 16:49

10/03/23 07:04 MNR

10/03/23 07:04 SM

09/29/23 17:55 SM

09/28/23 13:45 TKC

09/29/23 17:55 SM

09/28/23 10:01 SMC

10/02/23 15:50 CH

Batch

63672

63714

63885

63744

63535

63577

63482

63759

Number

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

9

Lab Sample ID: 880-33747-12 Matrix: Solid

Lab Sample ID: 880-33747-13

Lab Sample ID: 880-33747-14

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ТКС	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Eurofins Midland

Matrix: Solid

Lab

EET MID

Matrix: Solid

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

5 6

7 8 9

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

Lab Sample ID: 880-33747-14 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			63744	09/29/23 19:01	SM	EET MI
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63535	09/28/23 13:45	ткс	EET MI
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 19:01	SM	EET MI
Soluble	Leach	DI Leach			5.01 g	50 mL	63482	09/28/23 10:01	SMC	EET MI
Soluble	Analysis	300.0		1	50 mL	50 mL	63759	10/02/23 16:10	СН	EET MI

Laboratory References:

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

Accreditation/Certification Summary

Page 161 of 200

	Accre	ditation/Cert	tification Summary		
Client: NT Global Project/Site: Devon Wes	st Red Lake			Job ID: 880-33747- SDG: Eddy County	
Laboratory: Eurofi					3
Unless otherwise noted, all ar	nalytes for this laboratory w	ere covered under eac	h accreditation/certification below.		_
Authority	Progra	m	Identification Number	Expiration Date	
Texas	NELAF)	T104704400-23-26	06-30-24	
The following analyte	s are included in this repor	t, but the laboratory is r	not certified by the governing authori	ity. This list may include analytes	5
for which the agency	does not offer certification.				
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
_					8
					9
					10
					13
					14

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

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	

Revised Date 05012020 Rev 2020.1				6									
				0	(PAD)		-						5η ω
					$\rho T \mathcal{R}$	212		/	$\left \right\rangle$		R		alex gavia
Date/Time	Received by: (Signature)	by: (Signature)	Relinquished by: (S	2	e/Time				d by Signature	Receiv	E Z	y [,] (Signature)	Relinquished by (Signature)
	ed	reviously negotiate	mple submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated	These terms	analyzed.	enco, but not	Ibmitted to X	ch sample s	charge of \$5 for ea	Coject and a	applied to each	arge of \$85.00 Will be	
	nditions e control	s standard terms and conditions circumstances beyond the control	tractors. It assigns stand losses are due to circums	and subcon lient if such	ts affiliates ed by the c	y to Xenco, il benses incurr	lient compan losses or exp	order from o bility for any	es a valid purchase sume any responsi	es constitut shall not as	ishment of samp st of samples and	tiable only for the cos	Notice: Signature of this document and relinquisiment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assign 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
												Comments:	
				×	×	1 X	G		×		9/25/2023		V-5 (1')
				×	~ ×	-1 ×	G		×		9/25/2023		V-5 (6")
				×	×	1 X	G		×		9/25/2023		V-4 (1')
				×	×	- ×	G		×		9/25/2023		V-4 (6")
				×	~ ×	-1 X	G		×		9/25/2023		V-3 (2')
				×	~ ×	1 X	G		×		9/25/2023		V-3 (1')
				×	×	1 ×	G		×		9/25/2023		V-3 (6")
				×	×	-1 ×	G		×		9/25/2023		V-2 (1')
				×	×	1 X	G		×		9/25/2023		V-2 (6")
r l	- um			×	×	1 ×	G		×		9/25/2023		V-1 (6")
Sample Comments					TI	#of Cont	Grab/ Comp	Water	Soll	Time	Date	ntification	Sample Identification
NaOH+Ascorbic Acid SAPC	NaOH+	· · · · · · · · ·			PH 80		4-]6	Corrected Temperature.				Total Containers.
Zn Acetate+NaOH Zn	Zn Acet			Ch		B	9C	28	Temperature Reading	Tempera	No MAA	Yes	Sample Custody Seals
Na ₂ S ₂ O ₃ , NaSO ₃				lori				<u>م</u> ر م	Correction Factor	Correctio		Yes	Cooler Custody Sea
NaHSO4 NABIS				de 30		aran 802		470	neter ID:	Thermometer ID:	1z	کل ا	Received Intact:
U	H ₃ PO ₄ HP		<u>-</u>	0.0	<u> </u>	<u></u>	No	Kee	Wet Ice:	Yes Ng	Temp Blank:		SAMPLE RECEIPT
	H ₂ S0 ₄ H ₂				+ M	rs	mq	lab if received by 4 30pm				-	PO#
	HCL HC				RO)	<u>.</u>	d by the	day receive	TAT starts the day received by the		alex gavia	a	Sampler's Name
	Cool Cool						dard	Standard	Due Date		eddy, county	ed	Project Location
O DI Water H ₂ O	None NO					Pres. Code		🗆 Rush	I Routine		217811		Project Number
Preservative Codes	Pa	YSIS REQUEST	ANALYSIS					Turn Around	Tun	e	devon, west red lake	devon,	Project Name:
Other [.]	Deliverables EDEX ADaPT	Delivera				ial com	Email esessums@ntglobal com	esessum	Email			432-701-2159	Phone.
	Reporting Level II Level III ST/UST	Reportir) ZIP	City, State ZIP			nexico	carlsbad new mexico	City, State ZIP
		State of						Address.			Ť	209 w McKay st	Address.
RC perfund	Program: UST/PST PRP srownfields	Progra					Name	Company Name			ental	NTG Environmental	Company Name
1000 million 1000 mi	Work Order Comments			-			ifferent)	Bill to. (if different)			JMS	ETHAN SESSUMS	Project Manager
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				Custody	о О		<u>0</u>						



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Chain of Custody

Work Order No: ____ Loc: 880 33747

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Project Manager ETHA	ETHAN SESSUMS				Bill to. (if different)	ent)	-											Work	: Orde	}r Co	Work Order Comments	
Company Name: NTG E	NTG Environmental				Company Name	ime.								P	ogram	UST/	PST [PRP	7	wnfie	Program UST/PST PRP Frownfields RC	
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City, State ZIP carlsba	carlsbad new mexico	ö			City, State ZIP	q									porting	Reporting Level II Level III ST/UST	Ē	_evel	_ _	ST/US		
Phone: 432-7(432-701-2159			Email [.]	Email esessums@ntglobal.com	ntgloba	l.com							D	liverat	Deliverables EDE X	DEX		Ð	ADaPT		•
Project Name.	devon, west red lake	st red lake		Tum	Turn Around							ANALY	SIS REQUEST		Ϋ́,	A DESCRIPTION OF THE OWNER OF THE	and and and and			_	0	15.12 Dallas
Project Number	217811	311		A Routine	Rush	29	Pres.	-							⁸	_	_	-	4	-	DA LACAL 1	
Project Location	eddy, county	ountv		Due Date	Standard			-+		-+-		_	+	+	_		+	+	_		None NO	DI Water: H ₂ O
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SAMPLE RECEIPT	Jemp Blank.		Yes 😡	Wet Ice [.]	Ye No		eter	RO						<u> </u>	<u></u>			<u>.</u>		Ţ.	H-PO. HD	
Received Intact:	(x)		Thermometer ID	er ID	311			B021	e 30												NaHSO, NARIS	n
Cooler Custody Seals.	Yes No(NA	Correction Factor	-actor	5.7															HOL	Na-S-O- NaSO-	γ (
Sample Custody Seals.	Yes No	ALLA T	emperatur	Temperature Reading:	$\mathcal{D} \cdot \mathcal{C}$																Zn Acetate+NaOH Zn	JH Zn
Total Containers.		0	orrected T	Corrected Temperature:	E.	$\sum_{i=1}^{n}$		801										·		z	NaOH+Ascorbic Acid SAPC	CACID SAPC
Sample Identification	3	Date	Time	Soll	Water c	Grab/ # Comp C	# of Cont	TPI													Sample (Sample Comments
H-1 (SURFACE)	/6	9/25/2023		×			_	× ×	~ ×	-								_				
H-2 (SURFACE)	/9/	9/25/2023		×		G	-1	× ×	^ ×					_		-	_	_	-			
H-3 (SURFACE)	/6	9/25/2023		×		G	1	× ×	×				_		_		\neg	-	_			
H-4 (SURFACE)	/6	9/25/2023		×		G		××	×									_				
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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 circumstance beyond the control of Xenco. A minimum charge of \$8.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be each project and a charge of \$5.00 will be applied to each project and a charge of \$5.00 will be each project and a charge of \$5.00 will be each project and a charge of \$5.00 will be each project and a charge of \$5.00 will be each project and \$5.00 w	/ for the cost of s 5.00 will be applic	amples and shu To each proje	all not assumect and a cha	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 c retry o each project and a charge of 55 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated	oility for any loss ch sample subm	ses or exper itted to Xen	nses incu co, but no	rred by th ot analyze	le client i id. These	f such los terms wi	ses are c I be enfo	ue to cir rced unk	cumstan iss previ	ces beyo ously ne	and the gotiated	control						
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Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

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

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	N/A	

Containers requiring zero r <6mm (1/4").</p> Job Number: 880-33747-1 SDG Number: Eddy County

List Source: Eurofins Midland

14



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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUIT MIDLAND TX, 79706	ΈC		Project Num Project Mana	, ber: 237	811	KE UNIT #(MS)72	C	Reported: 06-Dec-23 15:	55
				1 1-1.5 339-01 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	480		16.0	mg/kg	4	3112224	AC	22-Nov-23	4500-Cl-B	
			10.0	mg/kg	7	5112224	AC	22-1107-25	4300-СІ-В	
Volatile Organic Compounds by		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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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 237)72	0	Reported: 6-Dec-23 15:	55
				1 2-2.5						
			H236.	339-02 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	496		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
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 (PL	ID)		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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 237	811	ke unit #(Ms)72	0	Reported: 6-Dec-23 15:	55
				1 3-3.5						
			H236	339-03 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
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 (PL	ID)		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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
			BACKGR H236	OUND - 339-04 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	672		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	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 (P	ID)		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. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
			BACKGR H236	OUND - 339-05 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds			16.0			2112226		22.33	4500 CL D	
Chloride	480		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	ls 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	ЈН	22-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3112127	ЈН	22-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3112127	ЈН	22-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (F	PID)		117 %	71.5	-134	3112127	ЛН	22-Nov-23	8021B	
Petroleum Hydrocarbons by	y 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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
			BACKGR	OUND - 339-06 (So						
			11250.	557-00 (50	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	928		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method 8	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	ЈН	22-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		116 %	71.5	-134	3112127	ЛН	22-Nov-23	8021B	
Petroleum Hydrocarbons by	y 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. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
			BACKGR H236	OUND - 339-07 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1360		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (F	PID)		116 %	71.5	-134	3112127	JH	22-Nov-23	8021B	
Petroleum Hydrocarbons by	y 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. MIDLAND TX, 79706		Project: WEST RED LAKE UNIT #072 Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:						Reported: 06-Dec-23 15:55			
				2 2-2.5							
			H236	339-08 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	<16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8	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	ЛН	22-Nov-23	8021B		
Surrogate: 4-Bromofluorobenzene (P	ID)		119 %	71.5	-134	3112127	ЈН	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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	, ber: 237		Reported: 06-Dec-23 15:55					
				3 1-1.5 339-09 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
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	ЛН	22-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		117 %	71.5	-134	3112127	ЛН	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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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
				- 3 2-2.5 339-10 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds Chloride	32.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3112127	JH	22-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	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	ЛН	22-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		117 %	71.5	-134	3112127	JH	22-Nov-23	8021B	
Petroleum Hydrocarbons by	y 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. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
			V -	3 3-3.5						
			H236	339-11 (So	il)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s 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	ЛН	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	ЛН	22-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3112127	ЛН	22-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 237		Reported: 06-Dec-23 15:55					
				3 4-4.5 339-12 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	3021								
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 (PL	ID)		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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Celey D. Keene, Lab Director/Quality Manager


NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	01 TRADEWINDS BLVD. SUITE C			, ber: 237	st red lał 811 Ian sessui	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	
			Cardina	l Laborat	ories						
Inorganic Compounds Chloride	<16.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 80	21									
Benzene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	22-Nov-23	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	22-Nov-23	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3112127	ЛН	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	ЛН	22-Nov-23	8021B		
Surrogate: 4-Bromofluorobenzene (P.	ID)		116 %	71.5	-134	3112127	ЛН	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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C	Project: WEST RED LAKE UNIT #072 E C Project Number: 237811 Project Manager: ETHAN SESSUMS Fax To:)72	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			16.0			2112226		22.31 22	4500 CL D		
Chloride	32.0		16.0	mg/kg	4	3112226	HM	22-Nov-23	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 80	21									
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 (Pl	D)		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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Inorganic Compounds - Quality Control Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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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Volatile Organic Compounds by EPA Method 8021 - Quality Control

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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: W Project Number: 2 Project Manager: E Fax To:		Reported: 06-Dec-23 15:55
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3112127 - Volatiles										
Blank (3112127-BLK1)				Prepared: 2	21-Nov-23	Analyzed: 2	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: 2	21-Nov-23	Analyzed: 2	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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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	WEST RED LAKE UNIT #072 237811 ETHAN SESSUMS	Reported: 06-Dec-23 15:55	
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Petroleum Hydrocarbons by GC FID - Quality Control

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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	3			
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	3			
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	3			
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: 2	21-Nov-23	Analyzed: 2	22-Nov-23			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							

DIAIIK (3112123-DLK1)		1	Prepared: 21-No	ov-25 Analyzed: 2	2-1NOV-25	
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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Petroleum Hydrocarbons by GC FID - Quality Control

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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3112123 - General Prep - Organics										
LCS (3112123-BS1)				Prepared &	Analyzed:	21-Nov-23	3			
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: 2	21-Nov-23	Analyzed: 2	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	3			
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	3			
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			
	418	10.0	mg/kg	400		105	77.6-123			
Total TPH C6-C28										
Surrogate: 1-Chlorooctane	54.3		mg/kg	50.0		109	48.2-134			

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Petroleum Hydrocarbons by GC FID - Quality Control

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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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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim 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 whitstoewer 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 to prove 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. Keine

Celey D. Keene, Lab Director/Quality Manager



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 $6^{\circ}\mathrm{C}$

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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District III

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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

QUESTIONS

Action 341570

QUESTIONS		
Operator:	OGRID:	
DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave.	Action Number:	
Oklahoma City, OK 73102	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	Νο
Has this release endangered or does it have a reasonable probability of endangering public health	Νο
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. Cause: Equipment Failure | Flow Line - Injection | Produced Water | Released: 400 BBL | Produced Water Released (bbls) Details 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 Not answered. Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

District I

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

QUESTIONS, Page 2

Action 341570

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	341570
	Action Type:
	[C-141] Revegetation Report C-141 (C-141-v-Revegetation)

OUESTIONS (continued)

QUESTIONS

Initial Response

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	n. gas only) are to be submitted on the C-129 form.

Not answered.

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

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

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QUESTIONS, Page 3

Action 341570

QUESTIONS (continued)		
Operator:	OGRID:	
DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave.	Action Number:	
Oklahoma City, OK 73102	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

e appropriate district office no later than 90 days after the release discovery date.		
Yes		
associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes		
No		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
496		
50.4		
50.4		
0.3		
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.		
09/25/2023		
11/20/2023		
12/05/2023		
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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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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

QUESTIONS, Page 4

Action 341570

QUESTI	ONS (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	
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	e / 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 en which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
	Name: Dala Waadall

		Name: Dale Woodall
I hereby agree and sign off to the above statement	ove statement	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 5

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Action 341570

QUESTIONS (continued)	
Operator: DEVON ENERGY PRODUCTION COMPANY, LP	OGRID: 6137
333 West Sheridan Ave. Oklahoma City, OK 73102	Action Number: 341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

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

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QUESTIONS, Page 6

Action 341570

QUESTIONS (continued)		
Operator:	OGRID:	
DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave.	Action Number:	
Oklahoma City, OK 73102	341570	
	Action Type:	
	[C-141] Revegetation Report C-141 (C-141-v-Revegetation)	

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 ofosule reques	Remediation	Closure	Request
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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 or final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.		
to report and/or file certain release notifications and perform corrective actions for relea- the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.	

I hereby agree and sign off to the above statement	Name: Date Woodall Title: EHS Professional Email: Date.Woodall@dvn.com Date: 05/07/2024
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QUESTIONS, Page 7

Action 341570

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	341570
	Action Type:
	[C-141] Revegetation Report C-141 (C-141-v-Revegetation)

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.			
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 I here			

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

QUESTIONS, Page 8

Action 341570

QUESTIONS (continued)	
Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	341570
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

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

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	341570
	Action Type:
	[C-141] Revegetation Report C-141 (C-141-v-Revegetation)

CONDITIONS

Created By	Condition	Condition
		Date
amaxwell	None	5/10/2024

Action 341570