Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nDHR1914832559
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	33.96' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nDHR1914832559
District RP	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 9/15/2022

email: dale.woodall@dvn.com Telephone: 405-318-9647

OCD Only

Received by: Jocelyn Harimon Date: 09/15/2022

State of New Mexico
Oil Conservation Division

Incident ID	nDHR1914832559
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 9/15/2022

email: dale.woodall@dvn.com Telephone: 405-318-9647

OCD Only

Received by: Jocelyn Harimon Date: 09/15/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nDHR1914832559
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 9/15/2022

email: dale.woodall@dvn.com Telephone: 405-318-9647

OCD Only

Received by: Jocelyn Harimon Date: 09/15/2022

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

Closure Approved by: Brittany Hall Date: 9/28/2022

Printed Name: Brittany Hall Title: Environmental Specialist

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

September 14, 2022

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

Re: Closure Report
Rebel 20 CTB
Devon Energy Production Company
Site Location: Unit B, S20, T24S, R32E
(Lat 32.209443, Long -103.696129)
Lea County, New Mexico
Incident ID: nDHR1914832559

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the Rebel 20 CTB (Site). The Site is located approximately 44.2 miles east of Malaga, New Mexico in Lea County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 25, 2018. The release was a result of equipment failure resulting in the release of approximately 5.4 barrels (bbls) of produced water and 0.77 bbls of crude oil of which 5.2 bbls and 0.77 bbls were recovered, respectively. Upon discovery, the equipment was shut-in and area was secured. The release is shown on Figure 3. The initial C-141 form is attached.

Site Characterization

The Site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½ mile radius of the location. The nearest identified well is located 2.36 miles north-northeast of the site at latitude 32.224620, longitude -103.662881. The well was drilled in 2010 and the reported depth to groundwater is 33.96 feet below ground surface (ft bgs). Site characterization information and the associated USGS summary report is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, 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 May 3, 2022, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. One sample point (S-1) was installed within the release area to characterize the vertical impacts. Additionally, four sample points (H-1 through H-4) were installed to define the horizontal extent of impacts. Soil samples were collected in 0.5 to 1 ft depth intervals from depths ranging from 0.5 – 2.5 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 for chemical analysis. Soil samples were analyzed collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Initial Analytical results identified elevated TPH levels in the area of S-1 in the 2.5 ft bgs area.

Results from horizontal delineation sample indicated sample points H-1 - H-4 were below the regulatory limit for all tested constituents. See Table 1 attached

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to a depth of 3.5 ft bgs in the areas of (S-1).

The soils were field screened during excavation activities to aide in determining final excavation depths. On July 27, 2022, a total of two confirmation samples were collected from the excavation base (CS-1 - CS-2) and four confirmation samples were collected from the excavation sidewalls (SW-1 - SW-4) to ensure impacted soil was removed.

The confirmation samples were collected every 200 square feet in accordance with the regulatory guidelines and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300). Following receipt of the final analytical results confirming the removal of the impacted soils, the excavation was backfilled and returned to near-natural grade. The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 2.

Closing

Based on the assessment and subsequent remedial action activities, 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, 4ftand Devon formally request 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
Laboratory Reports and Chain-of-Custody Documents

Ethan Sessums

From: Ethan Sessums
Sent: Monday, July 25, 2022 7:58 AM
To: New Mexico OCD
Subject: 48hr Sampling Notification

nDHR1914832559	REBEL 20 CTB	10/26/2018
nAB1918455038	REBEL 20 CTB	1/4/19
nAPP2211531680	REBEL 20 CTB	4/25/22

We will be conducting final confirmation sampling at the above-mentioned site on the 27th of July around 10 a.m. MST on behalf of Devon.

Ethan Sessums
Environmental Scientist
NTGE New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: (254)-266-5456 W: (432)-701-2159
Email: esessums@ntglobal.com

INITIAL AND FINAL C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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Printed Name: _____ Title: _____

Signature: Kendra DeHoyos Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Dylan Rose-Coss Date: _____

Incident ID	nDHR1914832559
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	33.96' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nDHR1914832559
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Printed Name: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	nDHR1914832559
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	nDHR1914832559
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

SITE CHARACTERIZATION INFORMATION

Devon Energy - Rebel 20 CTB
Sec 20 T24S R32E Unit C
32.208739, -103.700137
Lea County, New Mexico

Site Characterization
-No water features within specified distances of 1/2 mile radius, drilled within 25 years
-Low Karst
-USGS Groundwater is 33.96' below surface, 2.36 miles North-northeast of the site, 2010 Drilled, Section 10
-USGS Groundwater is 454.43' below surface, 2.98 miles North-northeast of the site, 1976 Drilled, Section 3
-NMSEO Groundwater is 380' below surface, 3.06 miles North of the site, 2013 Drilled, Section 5
-NMSEO Groundwater is 314' below surface, 2.47 miles South-southeast of the site, 2021 Drilled, Section 33

RRALs due to insufficient *RECENT* groundwater data\
-Chlorides 600 mg/kg
-TPH GRO+DRO+MRO 100 mg/kg
-BTEX 50 mg/kg
-Benzene 10 mg/kg

Low Karst

Devon Energy
Lea County, NM
Site Coordinates: 32.208739, -103.700137

Nearest Water Well

Devon Energy
Lea County, NM
Site Coordinates: 32.208739, -103.700137

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 03555 POD1	2	2	1	05	24S	32E	622748	3569233

Driller License:	1654	**Driller Company:**	NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC		
Driller Name:					
Drill Start Date:	10/20/2013	**Drill Finish Date:**	10/21/2013	**Plug Date:**	
Log File Date:	11/07/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	5 GPM
Casing Size:	6.00	**Depth Well:**	600 feet	**Depth Water:**	380 feet

Water Bearing Stratifications:	Top	Bottom	Description
	475	550	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	460	520

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

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

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03530 POD1	C	LE	3	4	3	07	24S	32E	620886	3566156	2452	550		
C 02350	CUB	ED		4	3	10	24S	32E	625826	3566333*	3886	60		
C 04536 POD1	C	LE	1	2	2	33	24S	32E	625019	3561244	3968	500	314	186
C 03528 POD1	C	LE	1	1	2	15	24S	32E	626040	3566129	3974	541		
C 04576 POD1	CUB	ED	1	2	1	23	24S	31E	617700	3564324	4805	910	850	60
C 03555 POD1	C	LE	2	2	1	05	24S	32E	622748	3569233	4925	600	380	220
C 04388 POD1	C	ED	3	2	1	23	24S	31E	617546	3564006	4967	910	868	42

Average Depth to Water: **603 feet**
Minimum Depth: **314 feet**
Maximum Depth: **868 feet**

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 622504.61 **Northing (Y):** 3564313.97 **Radius:** 5000

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
20E37	C 04536 POD1	1	2	2	33	24S	32E	625019	3561244

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: BRYCE WALLACE

Drill Start Date:	06/09/2021	**Drill Finish Date:**	06/10/2021	**Plug Date:**	
Log File Date:	06/21/2021	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	4 GPM
Casing Size:	4.30	**Depth Well:**	500 feet	**Depth Water:**	314 feet

Water Bearing Stratifications:	Top	Bottom	Description
	235	480	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	300	500

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321312103395601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321312103395601 24S.32E.10.344333

Lea County, New Mexico
Latitude 32°13'30.4", Longitude 103°39'52.7" NAD83
Land-surface elevation 3,589.00 feet above NGVD29
The depth of the well is 60 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1950-04-13		D	62610		3555.36	NGVD29	1	Z			A
1950-04-13		D	62611		3557.09	NAVD88	1	Z			A
1950-04-13		D	72019	33.64			1	Z			A
1955-06-03		D	62610		3557.10	NGVD29	P	Z			A
1955-06-03		D	62611		3558.83	NAVD88	P	Z			A
1955-06-03		D	72019	31.90			P	Z			A
1976-01-22		D	62610		3557.20	NGVD29	1	Z			A
1976-01-22		D	62611		3558.93	NAVD88	1	Z			A
1976-01-22		D	72019	31.80			1	Z			A
1981-03-20		D	62610		3569.07	NGVD29	1	Z			A
1981-03-20		D	62611		3570.80	NAVD88	1	Z			A
1981-03-20		D	72019	19.93			1	Z			A
1986-03-18		D	62610		3551.84	NGVD29	1	Z			A
1986-03-18		D	62611		3553.57	NAVD88	1	Z			A
1986-03-18		D	72019	37.16			1	Z			A
1991-05-29		D	62610		3549.36	NGVD29	1	Z			A
1991-05-29		D	62611		3551.09	NAVD88	1	Z			A
1991-05-29		D	72019	39.64			1	Z			A
1996-03-14		D	62610		3550.80	NGVD29	1	S			A
1996-03-14		D	62611		3552.53	NAVD88	1	S			A
1996-03-14		D	72019	38.20			1	S			A
2001-02-27		D	62610		3552.42	NGVD29	1	S			A
2001-02-27		D	62611		3554.15	NAVD88	1	S			A
2001-02-27		D	72019	36.58			1	S			A
2006-02-07	16:30 UTC	m	62610		3569.60	NGVD29	1	S	USGS	S	A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
2006-02-07	16:30 UTC	m	62611		3571.33	NAVD88	1	S	USGS	S	A
2006-02-07	16:30 UTC	m	72019	19.40			1	S	USGS	S	A
2010-12-16	22:30 UTC	m	62610		3555.04	NGVD29	1	S	USGS	S	A
2010-12-16	22:30 UTC	m	62611		3556.77	NAVD88	1	S	USGS	S	A
2010-12-16	22:30 UTC	m	72019	33.96			1	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321428103395801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321428103395801 24S.32E.03.32124

Lea County, New Mexico
Latitude 32°14'28", Longitude 103°39'58" NAD27
Land-surface elevation 3,653 feet above NAVD88
The depth of the well is 550 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-01-22		D	62610		3196.84	NGVD29	1	Z			A
1976-01-22		D	62611		3198.57	NAVD88	1	Z			A
1976-01-22		D	72019	454.43			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Subscribe for system changes
News

Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-03-31 16:44:42 EDT
0.34 0.3 nadww01

National Water Information System: Mapper

Help

Site Information

TABLES

Table 1 - Soil Analytical Results
Rebel 20 CTB (10.26.18)
Devon Inc.
Lea County, NM

Sample ID	Sample Depth (ft)	Date	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
H1 (0-6")	0-0.5	5/3/2022	**<49.9**	**<49.9**	**<49.9**	**<49.9**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**18.5**
H2 (0-6")	0-0.5	5/3/2022	**<50.0**	**<50.0**	**<50.0**	**<50.0**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**16.6**
H3 (0-6")	0-0.5	5/3/2022	**<50.0**	**<50.0**	**<50.0**	**<50.0**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**16.4**
H4 (0-6")	0-0.5	5/3/2022	**<50.0**	**<50.0**	**<50.0**	**<50.0**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**18.2**
S1 (2.5')	2.5	5/3/2022	**146**	**<49.9**	**<49.9**	**146**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**560**
Regulatory Limit						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

- exceeds regulatory limit

ft – feet

mg/kg – milligram per kilogram

TPH – total petroleum hydrocarbons

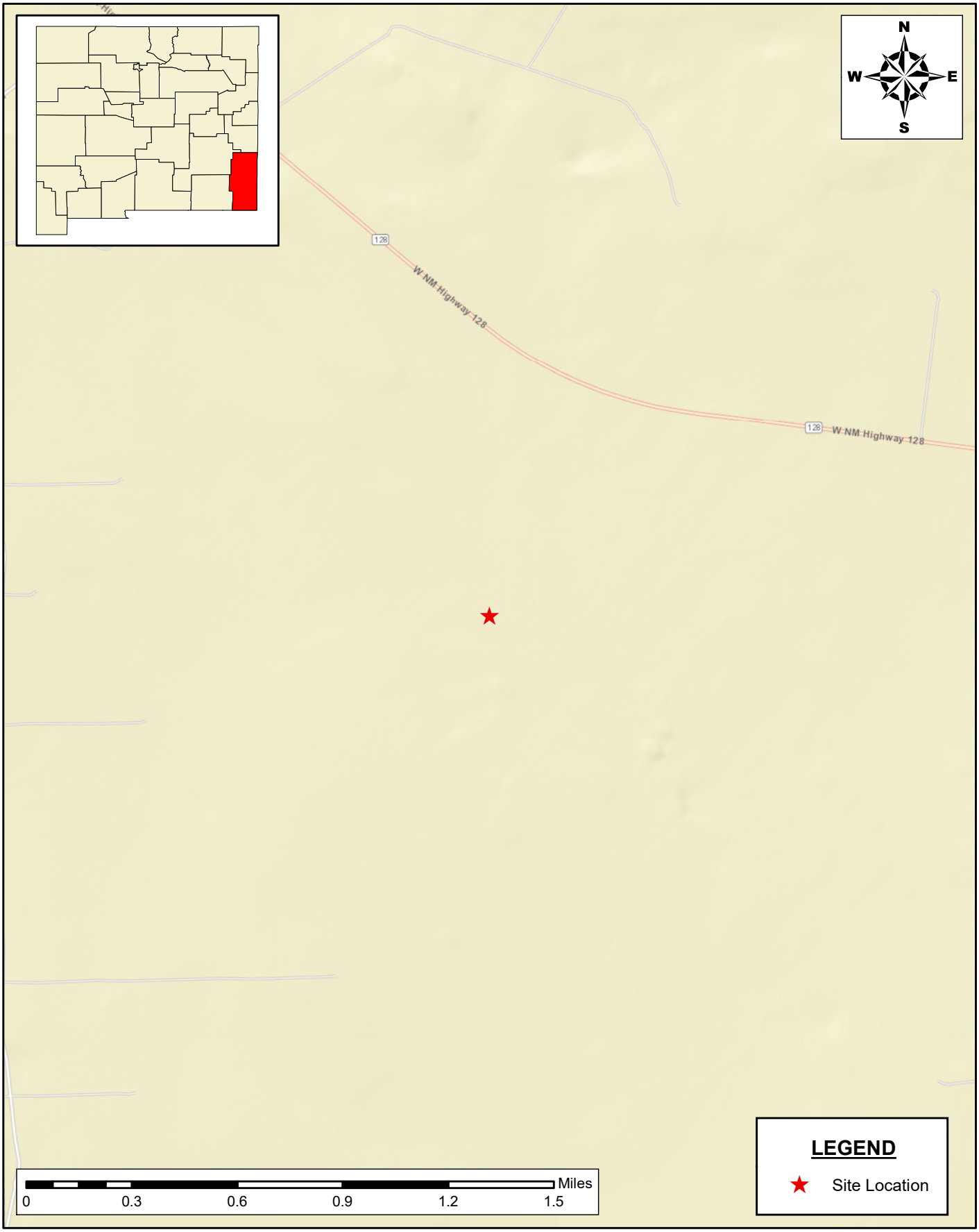
ft – feet

Table 2. Soil Analytical Results - Site Assessment Activities
Devon Energy
Rebel 20 CTB Spill #2
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
CS-1	07/27/22 00:00		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	45.8
CS-2	07/27/22 00:00		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	39.8
SW-1	07/27/22 00:00		<49.8	<49.8	<49.8	<49.8	<0.00202	0.00418	<0.00202	<0.00404	0.00418	25.7
SW-2	07/27/22 00:00		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	36.2
SW-3	07/27/22 00:00		<49.9	<49.9	<49.9	<49.9	<0.00200	0.00245	<0.00200	<0.00401	<0.00401	47.8
SW-4	07/27/22 00:00		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	34.0
Regulatory Limits [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- total petroleum hydrocarbons
ft-feet
- exceeds regulatory limits

FIGURES



SITE LOCATION MAP
SITE ASSESSMENT REPORT
REBEL 20 CTB
DEVON. LLC
LEA COUNTY, NEW MEXICO

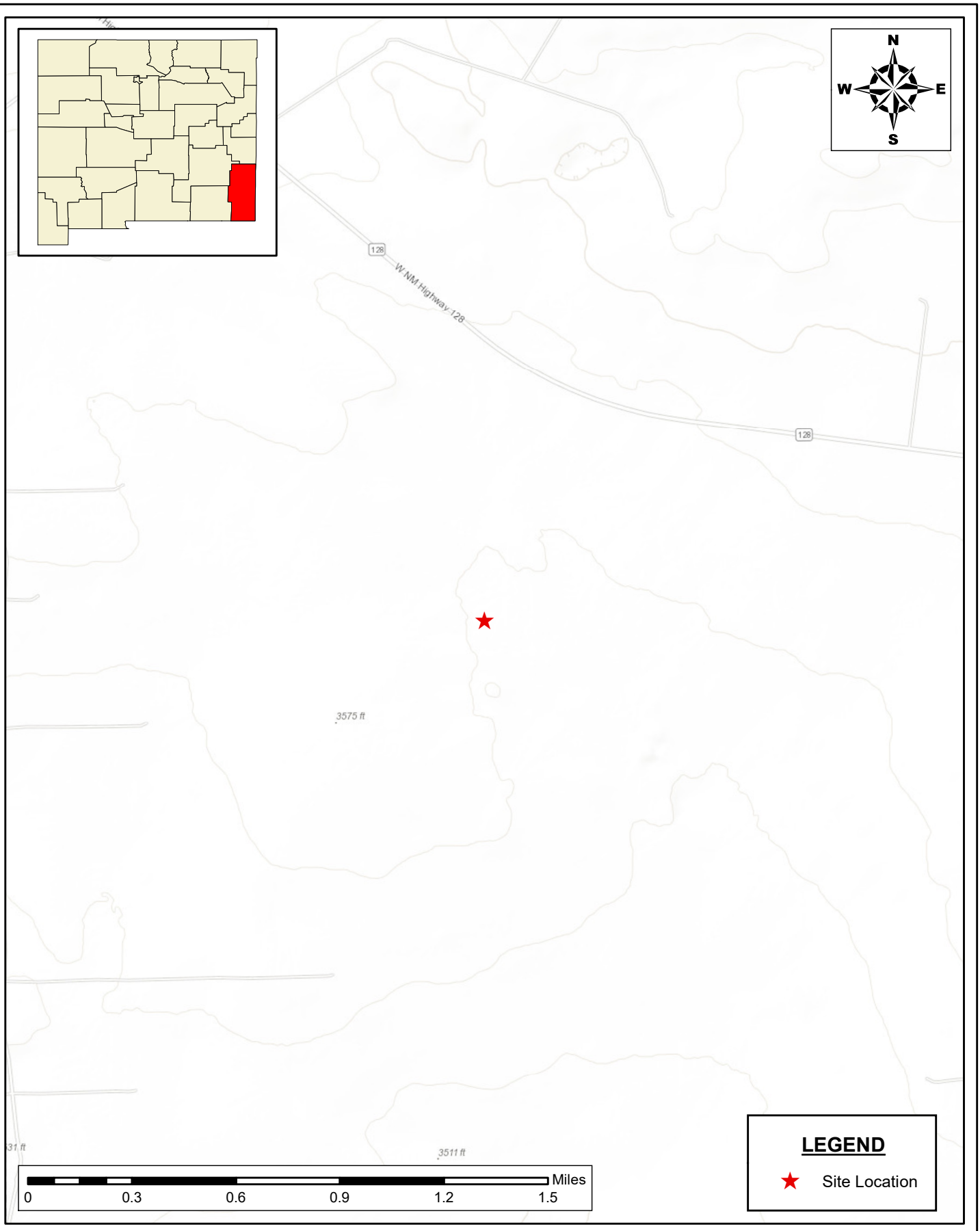
SCALE: As Shown | Date: 5/26/2022 | PROJECT #: 225623

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

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

Document Path: P:\2022 PROJECTS\DEVON\RSC\225623 - Rebel 20 CTB (10.26.2018)\7- Figures\GIS\Figure_1_SL.mxd



SITE LOCATION MAP
SITE ASSESSMENT REPORT
REBEL 20 CTB
DEVON. LLC
LEA COUNTY, NEW MEXICO

SCALE: As Shown | Date: 5/26/2022 | PROJECT #: 225623

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

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

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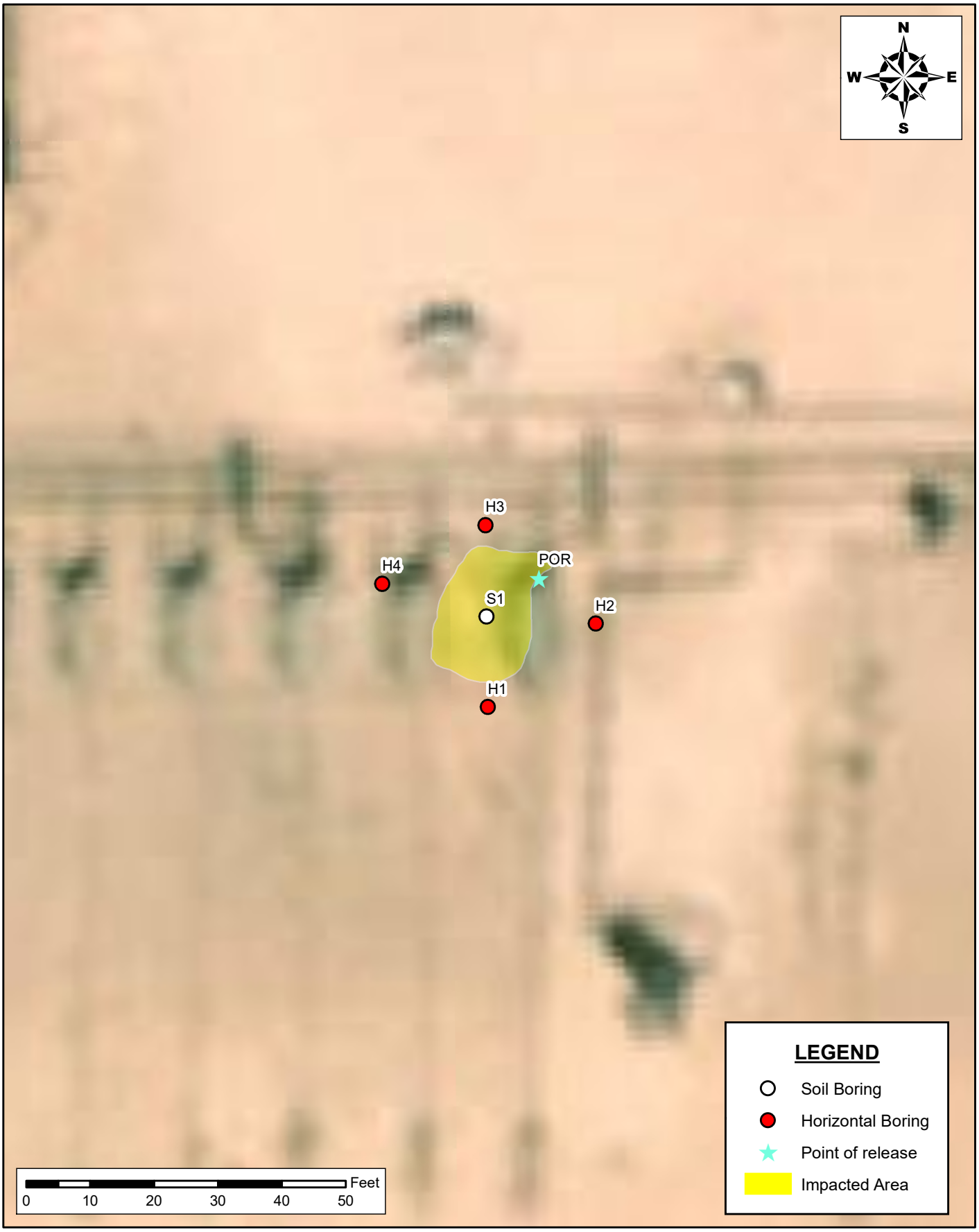
FIGURE 2
SHEET NUMBER:
1 of 1

Document Path: P:\2022 PROJECTS\DEVON\RSC\225623 - Rebel 20 CTB (10.26.2018)\7- Figures\GIS\Figure_2_SL.mxd



SITE LOCATION MAP
SITE ASSESSMENT REPORT
REBEL 20 CTB
DEVON. LLC
LEA COUNTY, NEW MEXICO

SCALE: As Shown | Date: 5/26/2022 | PROJECT #: 225623

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

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

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

Document Path: P:\2022 PROJECTS\DEVON\RSC\225623 - Rebel 20 CTB (10.26.2018)\7- Figures\GIS\Figure_3_SA.mxd

Document Path: P:\2022 PROJECTS\DEVON\RSC\225623 - Rebel 20 CTB (10.26.2018)\7- Figures\GIS\Fig 4 ES 9.13 Final.mxd

SITE LOCATION MAP
REMEDIAL ACTIONS REPORT
REBEL 20 CTB
DEVON ENERGY PRODUCTION COMPANY. LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown	Date: 9/13/2022	PROJECT #: 225624

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

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

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 1

Facility: REBEL 20 CTB

County: Lea County, New Mexico

Description:
View of excavation.

Photograph No. 2

Facility: REBEL 20 CTB

County: Lea County, New Mexico

Description:
View of excavation.

Photograph No. 3

Facility: REBEL 20 CTB

County: Lea County, New Mexico

Description:
View of excavation.

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-14389-1
Laboratory Sample Delivery Group: Lea Co. NM
Client Project/Site: Rebel 20 CTB (10.26.18)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

JKramer

Authorized for release by:
5/13/2022 9:47:52 AM

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

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Laboratory Job ID: 880-14389-1
SDG: Lea Co. NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Job ID: 880-14389-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-14389-1

Receipt
The samples were received on 5/3/2022 5:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-25411 and analytical batch 880-25377 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

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

Client Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Client Sample ID: S1 (2.5')

Lab Sample ID: 880-14389-1
Matrix: Solid
Date Collected: 05/03/22 00:00
Date Received: 05/03/22 17:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/22 11:01	05/13/22 04:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/22 11:01	05/13/22 04:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/22 11:01	05/13/22 04:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/22 11:01	05/13/22 04:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/22 11:01	05/13/22 04:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/22 11:01	05/13/22 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/12/22 11:01*	*05/13/22 04:42*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/12/22 11:01*	*05/13/22 04:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/13/22 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**146**		49.9		mg/Kg			05/09/22 11:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/05/22 14:19	05/07/22 04:02	1
Diesel Range Organics (Over C10-C28)	**146**		49.9		mg/Kg		05/05/22 14:19	05/07/22 04:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/05/22 14:19	05/07/22 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*05/05/22 14:19*	*05/07/22 04:02*	*1*
o-Terphenyl	*127*		*70 - 130*	*05/05/22 14:19*	*05/07/22 04:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**560**		5.00		mg/Kg			05/06/22 14:50	1

Client Sample ID: H1 (0-6")

Lab Sample ID: 880-14389-2
Matrix: Solid
Date Collected: 05/03/22 00:00
Date Received: 05/03/22 17:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/13/22 05:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/13/22 05:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/13/22 05:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/22 11:01	05/13/22 05:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/13/22 05:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/22 11:01	05/13/22 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/12/22 11:01*	*05/13/22 05:02*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/12/22 11:01*	*05/13/22 05:02*	*1*

Client Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Client Sample ID: H1 (0-6")

Date Collected: 05/03/22 00:00
Date Received: 05/03/22 17:08

Lab Sample ID: 880-14389-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/13/22 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/09/22 11:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/05/22 14:19	05/07/22 04:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/05/22 14:19	05/07/22 04:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/05/22 14:19	05/07/22 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*05/05/22 14:19*	*05/07/22 04:22*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/05/22 14:19*	*05/07/22 04:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.5**		4.97		mg/Kg			05/06/22 14:59	1

Client Sample ID: H2 (0-6")

Date Collected: 05/03/22 00:00
Date Received: 05/03/22 17:08

Lab Sample ID: 880-14389-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/22 11:01	05/13/22 05:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/22 11:01	05/13/22 05:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/22 11:01	05/13/22 05:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/22 11:01	05/13/22 05:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/22 11:01	05/13/22 05:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/22 11:01	05/13/22 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/12/22 11:01*	*05/13/22 05:23*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/12/22 11:01*	*05/13/22 05:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/13/22 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/09/22 11:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/07/22 04:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/07/22 04:42	1

Client Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Client Sample ID: H2 (0-6")

Lab Sample ID: 880-14389-3
Date Collected: 05/03/22 00:00
Matrix: Solid
Date Received: 05/03/22 17:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/07/22 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/05/22 14:19*	*05/07/22 04:42*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/05/22 14:19*	*05/07/22 04:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.6**		4.98		mg/Kg			05/06/22 15:07	1

Client Sample ID: H3 (0-6")

Lab Sample ID: 880-14389-4
Date Collected: 05/03/22 00:00
Matrix: Solid
Date Received: 05/03/22 17:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/13/22 05:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/13/22 05:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/13/22 05:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/22 11:01	05/13/22 05:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/13/22 05:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/22 11:01	05/13/22 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/12/22 11:01*	*05/13/22 05:43*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/12/22 11:01*	*05/13/22 05:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/13/22 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/09/22 11:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/07/22 05:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/07/22 05:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/07/22 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/05/22 14:19*	*05/07/22 05:03*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/05/22 14:19*	*05/07/22 05:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.4**		4.95		mg/Kg			05/06/22 15:16	1

Client Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Client Sample ID: H4 (0-6")

Date Collected: 05/03/22 00:00
Date Received: 05/03/22 17:08

Lab Sample ID: 880-14389-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/22 11:01	05/13/22 06:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/22 11:01	05/13/22 06:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/22 11:01	05/13/22 06:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/22 11:01	05/13/22 06:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/22 11:01	05/13/22 06:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/22 11:01	05/13/22 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/12/22 11:01*	*05/13/22 06:04*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/12/22 11:01*	*05/13/22 06:04*	*1*

Method: 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			05/13/22 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/09/22 11:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/07/22 05:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/07/22 05:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/07/22 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/05/22 14:19*	*05/07/22 05:24*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/05/22 14:19*	*05/07/22 05:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.2**		4.96		mg/Kg			05/06/22 15:25	1

Surrogate Summary

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-14389-1	S1 (2.5')	113	92
880-14389-2	H1 (0-6")	114	94
880-14389-3	H2 (0-6")	114	93
880-14389-4	H3 (0-6")	110	91
880-14389-5	H4 (0-6")	116	95
LCS 880-25411/1-A	Lab Control Sample	127	90
LCSD 880-25411/2-A	Lab Control Sample Dup	126	89
MB 880-25377/8	Method Blank	102	91
MB 880-25411/5-A	Method Blank	105	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID		
880-14720-A-1-A MS	Matrix Spike		
880-14720-A-1-B MSD	Matrix Spike Duplicate		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-14389-1	S1 (2.5')	129	127
880-14389-2	H1 (0-6")	114	111
880-14389-3	H2 (0-6")	112	109
880-14389-4	H3 (0-6")	109	107
880-14389-5	H4 (0-6")	104	102
890-2271-A-61-E MS	Matrix Spike	104	92
890-2271-A-61-F MSD	Matrix Spike Duplicate	89	78
LCS 880-24911/2-A	Lab Control Sample	101	95
LCSD 880-24911/3-A	Lab Control Sample Dup	111	105
MB 880-24911/1-A	Method Blank	98	102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25377/8
Matrix: Solid
Analysis Batch: 25377

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			05/12/22 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg			05/12/22 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			05/12/22 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			05/12/22 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			05/12/22 11:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			05/12/22 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*05/12/22 11:33*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*05/12/22 11:33*	*1*

Lab Sample ID: MB 880-25411/5-A
Matrix: Solid
Analysis Batch: 25377

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/12/22 23:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/12/22 23:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/12/22 23:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/22 11:01	05/12/22 23:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/22 11:01	05/12/22 23:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/22 11:01	05/12/22 23:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/12/22 11:01*	*05/12/22 23:12*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/12/22 11:01*	*05/12/22 23:12*	*1*

Lab Sample ID: LCS 880-25411/1-A
Matrix: Solid
Analysis Batch: 25377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07864		mg/Kg		79	70 - 130
Toluene	0.100	0.09949		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1092		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2321		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1185		mg/Kg		119	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-25411/2-A
Matrix: Solid
Analysis Batch: 25377

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25411

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07815		mg/Kg		78	70 - 130	1	35

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-25411/2-A
Matrix: Solid
Analysis Batch: 25377

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25411

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09907		mg/Kg		99	70 - 130	0	35
Ethylbenzene			0.100	0.1084		mg/Kg		108	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2301		mg/Kg		115	70 - 130	1	35
o-Xylene			0.100	0.1173		mg/Kg		117	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-14720-A-1-A MS
Matrix: Solid
Analysis Batch: 25377

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25411

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.06874		mg/Kg					
Toluene			0.100	0.08463		mg/Kg					
Ethylbenzene			0.100	0.09382		mg/Kg					
m-Xylene & p-Xylene			0.201	0.2005		mg/Kg					
o-Xylene			0.100	0.1009		mg/Kg					

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

Lab Sample ID: 880-14720-A-1-B MSD
Matrix: Solid
Analysis Batch: 25377

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 25411

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07124		mg/Kg					
Toluene			0.100	0.08910		mg/Kg					
Ethylbenzene			0.100	0.09603		mg/Kg					
m-Xylene & p-Xylene			0.200	0.2040		mg/Kg					
o-Xylene			0.100	0.1022		mg/Kg					

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

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

Lab Sample ID: MB 880-24911/1-A
Matrix: Solid
Analysis Batch: 24947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/06/22 20:46	1

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-24911/1-A
Matrix: Solid
Analysis Batch: 24947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/06/22 20:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/05/22 14:19	05/06/22 20:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/05/22 14:19*	*05/06/22 20:46*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/05/22 14:19*	*05/06/22 20:46*	*1*

Lab Sample ID: LCS 880-24911/2-A
Matrix: Solid
Analysis Batch: 24947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1096		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	901.0		mg/Kg		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: LCSD 880-24911/3-A
Matrix: Solid
Analysis Batch: 24947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24911

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1119		mg/Kg		112	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	924.3		mg/Kg		92	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: 890-2271-A-61-E MS
Matrix: Solid
Analysis Batch: 24947

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 24911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1195		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	940.9		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

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

Lab Sample ID: 890-2271-A-61-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 24947 — **Prep Batch: 24911**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1029		mg/Kg		103	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	813.9		mg/Kg		80	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-24812/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/05/22 18:59	1

Lab Sample ID: LCS 880-24812/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-24812/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.5		mg/Kg		101	90 - 110	4	20

Lab Sample ID: 880-14390-A-4-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	543		250	778.4		mg/Kg		94	90 - 110

Lab Sample ID: 880-14390-A-4-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	543		250	784.9		mg/Kg		97	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

GC VOA

Analysis Batch: 25377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14389-1	S1 (2.5')	Total/NA	Solid	8021B	25411
880-14389-2	H1 (0-6")	Total/NA	Solid	8021B	25411
880-14389-3	H2 (0-6")	Total/NA	Solid	8021B	25411
880-14389-4	H3 (0-6")	Total/NA	Solid	8021B	25411
880-14389-5	H4 (0-6")	Total/NA	Solid	8021B	25411
MB 880-25377/8	Method Blank	Total/NA	Solid	8021B	
MB 880-25411/5-A	Method Blank	Total/NA	Solid	8021B	25411
LCS 880-25411/1-A	Lab Control Sample	Total/NA	Solid	8021B	25411
LCSD 880-25411/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25411
880-14720-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	25411
880-14720-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25411

Prep Batch: 25411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14389-1	S1 (2.5')	Total/NA	Solid	5035	
880-14389-2	H1 (0-6")	Total/NA	Solid	5035	
880-14389-3	H2 (0-6")	Total/NA	Solid	5035	
880-14389-4	H3 (0-6")	Total/NA	Solid	5035	
880-14389-5	H4 (0-6")	Total/NA	Solid	5035	
MB 880-25411/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25411/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25411/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14720-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-14720-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 25527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14389-1	S1 (2.5')	Total/NA	Solid	Total BTEX	
880-14389-2	H1 (0-6")	Total/NA	Solid	Total BTEX	
880-14389-3	H2 (0-6")	Total/NA	Solid	Total BTEX	
880-14389-4	H3 (0-6")	Total/NA	Solid	Total BTEX	
880-14389-5	H4 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 24911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14389-1	S1 (2.5')	Total/NA	Solid	8015NM Prep	
880-14389-2	H1 (0-6")	Total/NA	Solid	8015NM Prep	
880-14389-3	H2 (0-6")	Total/NA	Solid	8015NM Prep	
880-14389-4	H3 (0-6")	Total/NA	Solid	8015NM Prep	
880-14389-5	H4 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-24911/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24911/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24911/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2271-A-61-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2271-A-61-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 24947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14389-1	S1 (2.5')	Total/NA	Solid	8015B NM	24911

QC Association Summary

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 24947 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14389-2	H1 (0-6")	Total/NA	Solid	8015B NM	24911
880-14389-3	H2 (0-6")	Total/NA	Solid	8015B NM	24911
880-14389-4	H3 (0-6")	Total/NA	Solid	8015B NM	24911
880-14389-5	H4 (0-6")	Total/NA	Solid	8015B NM	24911
MB 880-24911/1-A	Method Blank	Total/NA	Solid	8015B NM	24911
LCS 880-24911/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24911
LCSD 880-24911/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24911
890-2271-A-61-E MS	Matrix Spike	Total/NA	Solid	8015B NM	24911
890-2271-A-61-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	24911

Analysis Batch: 25091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14389-1	S1 (2.5')	Total/NA	Solid	8015 NM	
880-14389-2	H1 (0-6")	Total/NA	Solid	8015 NM	
880-14389-3	H2 (0-6")	Total/NA	Solid	8015 NM	
880-14389-4	H3 (0-6")	Total/NA	Solid	8015 NM	
880-14389-5	H4 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 24812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14389-1	S1 (2.5')	Soluble	Solid	DI Leach	
880-14389-2	H1 (0-6")	Soluble	Solid	DI Leach	
880-14389-3	H2 (0-6")	Soluble	Solid	DI Leach	
880-14389-4	H3 (0-6")	Soluble	Solid	DI Leach	
880-14389-5	H4 (0-6")	Soluble	Solid	DI Leach	
MB 880-24812/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24812/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24812/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14390-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-14390-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 24863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14389-1	S1 (2.5')	Soluble	Solid	300.0	24812
880-14389-2	H1 (0-6")	Soluble	Solid	300.0	24812
880-14389-3	H2 (0-6")	Soluble	Solid	300.0	24812
880-14389-4	H3 (0-6")	Soluble	Solid	300.0	24812
880-14389-5	H4 (0-6")	Soluble	Solid	300.0	24812
MB 880-24812/1-A	Method Blank	Soluble	Solid	300.0	24812
LCS 880-24812/2-A	Lab Control Sample	Soluble	Solid	300.0	24812
LCSD 880-24812/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24812
880-14390-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	24812
880-14390-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	24812

Lab Chronicle

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Client Sample ID: S1 (2.5')

Lab Sample ID: 880-14389-1

Date Collected: 05/03/22 00:00
Matrix: Solid
Date Received: 05/03/22 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	25411	05/12/22 11:01	MR	XEN MID
Total/NA	Analysis	8021B		1			25377	05/13/22 04:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25527	05/13/22 10:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25091	05/09/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24911	05/05/22 14:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24947	05/07/22 04:02	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24812	05/04/22 12:02	SC	XEN MID
Soluble	Analysis	300.0		1			24863	05/06/22 14:50	SC	XEN MID

Client Sample ID: H1 (0-6")

Lab Sample ID: 880-14389-2

Date Collected: 05/03/22 00:00
Matrix: Solid
Date Received: 05/03/22 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25411	05/12/22 11:01	MR	XEN MID
Total/NA	Analysis	8021B		1			25377	05/13/22 05:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25527	05/13/22 10:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25091	05/09/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24911	05/05/22 14:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24947	05/07/22 04:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24812	05/04/22 12:02	SC	XEN MID
Soluble	Analysis	300.0		1			24863	05/06/22 14:59	SC	XEN MID

Client Sample ID: H2 (0-6")

Lab Sample ID: 880-14389-3

Date Collected: 05/03/22 00:00
Matrix: Solid
Date Received: 05/03/22 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	25411	05/12/22 11:01	MR	XEN MID
Total/NA	Analysis	8021B		1			25377	05/13/22 05:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25527	05/13/22 10:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25091	05/09/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24911	05/05/22 14:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24947	05/07/22 04:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24812	05/04/22 12:02	SC	XEN MID
Soluble	Analysis	300.0		1			24863	05/06/22 15:07	SC	XEN MID

Client Sample ID: H3 (0-6")

Lab Sample ID: 880-14389-4

Date Collected: 05/03/22 00:00
Matrix: Solid
Date Received: 05/03/22 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25411	05/12/22 11:01	MR	XEN MID
Total/NA	Analysis	8021B		1			25377	05/13/22 05:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25527	05/13/22 10:31	SM	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Client Sample ID: H3 (0-6")

Lab Sample ID: 880-14389-4
Matrix: Solid
Date Collected: 05/03/22 00:00
Date Received: 05/03/22 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			25091	05/09/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24911	05/05/22 14:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24947	05/07/22 05:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24812	05/04/22 12:02	SC	XEN MID
Soluble	Analysis	300.0		1			24863	05/06/22 15:16	SC	XEN MID

Client Sample ID: H4 (0-6")

Lab Sample ID: 880-14389-5
Matrix: Solid
Date Collected: 05/03/22 00:00
Date Received: 05/03/22 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25411	05/12/22 11:01	MR	XEN MID
Total/NA	Analysis	8021B		1			25377	05/13/22 06:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25527	05/13/22 10:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25091	05/09/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24911	05/05/22 14:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24947	05/07/22 05:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	24812	05/04/22 12:02	SC	XEN MID
Soluble	Analysis	300.0		1			24863	05/06/22 15:25	SC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Method Summary

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Rebel 20 CTB (10.26.18)

Job ID: 880-14389-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-14389-1	S1 (2.5')	Solid	05/03/22 00:00	05/03/22 17:08
880-14389-2	H1 (0-6")	Solid	05/03/22 00:00	05/03/22 17:08
880-14389-3	H2 (0-6")	Solid	05/03/22 00:00	05/03/22 17:08
880-14389-4	H3 (0-6")	Solid	05/03/22 00:00	05/03/22 17:08
880-14389-5	H4 (0-6")	Solid	05/03/22 00:00	05/03/22 17:08

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 14389

5/13/2022

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Dale Woodall
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email	Dale.Woddall@dvn.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Rebel 20 CTB (10 26 18)	Turn Around	
Project Number:	225625	☑ Routine ☐ Rush	
Project Location	Lea Co NM	Due Date:	
Sampler's Name:	Nick Hart	TAT starts the day received by the lab if received by 4 30pm	
PO #:	20640554		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR6
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.6
Total Containers:	10	Corrected Temperature:	5.4

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S1 (2 5')	5/3/2022		x		G	1		x	x	x		
H1 (0-6")	5/3/2022		x		G	1		x	x	x		
H2 (0-6")	5/3/2022		x		G	1		x	x	x		
H3 (0-6")	5/3/2022		x		G	1		x	x	x		
H4 (0-6")	5/3/2022		x		G	1		x	x	x		

880-14389 Chain of Custody

Additional Comments:

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Nick Hart		5/3/22 17:02	2		
3				4		
5				6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-14389-1
SDG Number: Lea Co. NM

Login Number: 14389
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2673-1
Laboratory Sample Delivery Group: 225511
Client Project/Site: Rebel 20 CTB (Spill #2)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

JKramer

Authorized for release by:
8/1/2022 8:02:56 PM

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

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

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

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Laboratory Job ID: 890-2673-1
SDG: 225511

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
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Job ID: 890-2673-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2673-1

Receipt
The samples were received on 7/28/2022 9:50 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 5.4°C

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-30988 and 880-31011 and analytical batch 880-30959 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-31009 and analytical batch 880-31049 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-31009/2-A). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Client Sample ID: SW-1

Lab Sample ID: 890-2673-1
Matrix: Solid
Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/01/22 09:07	08/01/22 16:58	1
Toluene	**0.00418**		0.00202		mg/Kg		08/01/22 09:07	08/01/22 16:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/01/22 09:07	08/01/22 16:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/01/22 09:07	08/01/22 16:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/01/22 09:07	08/01/22 16:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/01/22 09:07	08/01/22 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*08/01/22 09:07*	*08/01/22 16:58*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/01/22 09:07*	*08/01/22 16:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00418**		0.00404		mg/Kg			07/30/22 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		07/29/22 13:01	07/30/22 13:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/29/22 13:01	07/30/22 13:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/29/22 13:01	07/30/22 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*07/29/22 13:01*	*07/30/22 13:42*	*1*
o-Terphenyl	*94*		*70 - 130*	*07/29/22 13:01*	*07/30/22 13:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.7**		4.99		mg/Kg			07/30/22 00:54	1

Client Sample ID: SW-2

Lab Sample ID: 890-2673-2
Matrix: Solid
Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *-	0.00201		mg/Kg		07/29/22 10:52	07/29/22 20:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/29/22 10:52	07/29/22 20:45	1
Ethylbenzene	<0.00201	U *-	0.00201		mg/Kg		07/29/22 10:52	07/29/22 20:45	1
m-Xylene & p-Xylene	<0.00402	U *1 *-	0.00402		mg/Kg		07/29/22 10:52	07/29/22 20:45	1
o-Xylene	<0.00201	U *+ *1	0.00201		mg/Kg		07/29/22 10:52	07/29/22 20:45	1
Xylenes, Total	<0.00402	U *+ *1	0.00402		mg/Kg		07/29/22 10:52	07/29/22 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*07/29/22 10:52*	*07/29/22 20:45*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/29/22 10:52*	*07/29/22 20:45*	*1*

Client Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Client Sample ID: SW-2

Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-2

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/30/22 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/29/22 13:01	07/30/22 14:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:01	07/30/22 14:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:01	07/30/22 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*07/29/22 13:01*	*07/30/22 14:04*	*1*
o-Terphenyl	*91*		*70 - 130*	*07/29/22 13:01*	*07/30/22 14:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.2**		5.00		mg/Kg			07/30/22 01:22	1

Client Sample ID: SW-3

Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 17:18	1
Toluene	**0.00245**		0.00200		mg/Kg		08/01/22 09:07	08/01/22 17:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 17:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/01/22 09:07	08/01/22 17:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 17:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/01/22 09:07	08/01/22 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*08/01/22 09:07*	*08/01/22 17:18*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/01/22 09:07*	*08/01/22 17:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/30/22 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/29/22 13:01	07/30/22 14:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:01	07/30/22 14:25	1

Client Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Client Sample ID: SW-3

Lab Sample ID: 890-2673-3
Matrix: Solid
Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:01	07/30/22 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*07/29/22 13:01*	*07/30/22 14:25*	*1*
o-Terphenyl	*80*		*70 - 130*	*07/29/22 13:01*	*07/30/22 14:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.8**		4.97		mg/Kg			07/30/22 01:31	1

Client Sample ID: SW-4

Lab Sample ID: 890-2673-4
Matrix: Solid
Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *-	0.00198		mg/Kg		07/29/22 10:52	07/29/22 21:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/29/22 10:52	07/29/22 21:26	1
Ethylbenzene	<0.00198	U *-	0.00198		mg/Kg		07/29/22 10:52	07/29/22 21:26	1
m-Xylene & p-Xylene	<0.00397	U *1 *-	0.00397		mg/Kg		07/29/22 10:52	07/29/22 21:26	1
o-Xylene	<0.00198	U *+ *1	0.00198		mg/Kg		07/29/22 10:52	07/29/22 21:26	1
Xylenes, Total	<0.00397	U *+ *1	0.00397		mg/Kg		07/29/22 10:52	07/29/22 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*07/29/22 10:52*	*07/29/22 21:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/29/22 10:52*	*07/29/22 21:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/30/22 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/29/22 13:01	07/30/22 14:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:01	07/30/22 14:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:01	07/30/22 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*07/29/22 13:01*	*07/30/22 14:47*	*1*
o-Terphenyl	*82*		*70 - 130*	*07/29/22 13:01*	*07/30/22 14:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.0**		4.99		mg/Kg			07/30/22 01:59	1

Client Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Client Sample ID: CS-1

Lab Sample ID: 890-2673-5
Matrix: Solid
Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *-	0.00202		mg/Kg		07/29/22 10:52	07/29/22 21:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/29/22 10:52	07/29/22 21:46	1
Ethylbenzene	<0.00202	U *-	0.00202		mg/Kg		07/29/22 10:52	07/29/22 21:46	1
m-Xylene & p-Xylene	<0.00404	U *1 *-	0.00404		mg/Kg		07/29/22 10:52	07/29/22 21:46	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		07/29/22 10:52	07/29/22 21:46	1
Xylenes, Total	<0.00404	U *+ *1	0.00404		mg/Kg		07/29/22 10:52	07/29/22 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*07/29/22 10:52*	*07/29/22 21:46*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/29/22 10:52*	*07/29/22 21:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/30/22 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/29/22 13:01	07/30/22 15:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:01	07/30/22 15:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:01	07/30/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/29/22 13:01*	*07/30/22 15:08*	*1*
o-Terphenyl	*110*		*70 - 130*	*07/29/22 13:01*	*07/30/22 15:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.8**		4.98		mg/Kg			07/30/22 02:08	1

Client Sample ID: CS-2

Lab Sample ID: 890-2673-6
Matrix: Solid
Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		07/29/22 10:52	07/29/22 22:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/22 10:52	07/29/22 22:07	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		07/29/22 10:52	07/29/22 22:07	1
m-Xylene & p-Xylene	<0.00401	U *1 *-	0.00401		mg/Kg		07/29/22 10:52	07/29/22 22:07	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		07/29/22 10:52	07/29/22 22:07	1
Xylenes, Total	<0.00401	U *+ *1	0.00401		mg/Kg		07/29/22 10:52	07/29/22 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/29/22 10:52*	*07/29/22 22:07*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/29/22 10:52*	*07/29/22 22:07*	*1*

Client Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Client Sample ID: CS-2

Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-6

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/30/22 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/29/22 13:01	07/30/22 15:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:01	07/30/22 15:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:01	07/30/22 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*07/29/22 13:01*	*07/30/22 15:51*	*1*
o-Terphenyl	*117*		*70 - 130*	*07/29/22 13:01*	*07/30/22 15:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.8**		5.02		mg/Kg			07/30/22 02:17	1

Surrogate Summary

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-17511-A-1-A MS	Matrix Spike	104	99										
880-17511-A-1-B MSD	Matrix Spike Duplicate	100	100										
880-17525-A-1-C MS	Matrix Spike	104	99										
880-17525-A-1-D MSD	Matrix Spike Duplicate	105	98										
890-2665-A-1-C MS	Matrix Spike	104	100										
890-2665-A-1-D MSD	Matrix Spike Duplicate	103	103										
890-2673-1	SW-1	115	100										
890-2673-2	SW-2	104	104										
890-2673-3	SW-3	114	97										
890-2673-4	SW-4	105	99										
890-2673-5	CS-1	104	104										
890-2673-6	CS-2	107	99										
LCS 880-30988/1-A	Lab Control Sample	98	101										
LCS 880-31011/1-A	Lab Control Sample	104	97										
LCS 880-31155/1-A	Lab Control Sample	100	99										
LCSD 880-30988/2-A	Lab Control Sample Dup	129	79										
LCSD 880-31011/2-A	Lab Control Sample Dup	104	99										
LCSD 880-31155/2-A	Lab Control Sample Dup	98	96										
MB 880-30988/5-A	Method Blank	95	101										
MB 880-31011/5-A	Method Blank	96	101										
MB 880-31155/5-A	Method Blank	98	89										

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-2670-A-1-B MS	Matrix Spike	110	108										
890-2670-A-1-C MSD	Matrix Spike Duplicate	104	97										
890-2673-1	SW-1	90	94										
890-2673-2	SW-2	86	91										
890-2673-3	SW-3	80	80										
890-2673-4	SW-4	82	82										
890-2673-5	CS-1	103	110										
890-2673-6	CS-2	106	117										
LCS 880-31009/2-A	Lab Control Sample	115	133 S1+										
LCSD 880-31009/3-A	Lab Control Sample Dup	103	117										
MB 880-31009/1-A	Method Blank	104	117										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30988/5-A
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/29/22 10:52	07/29/22 13:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/22 10:52	07/29/22 13:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/22 10:52	07/29/22 13:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/29/22 10:52	07/29/22 13:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/22 10:52	07/29/22 13:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/29/22 10:52	07/29/22 13:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/29/22 10:52*	*07/29/22 13:46*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*07/29/22 10:52*	*07/29/22 13:46*	*1*

Lab Sample ID: LCS 880-30988/1-A
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30988

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09249		mg/Kg		92	70 - 130
Toluene	0.100	0.09887		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.08511		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1718		mg/Kg		86	70 - 130
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-30988/2-A
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 30988

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07256		mg/Kg		73	70 - 130	24	35
Toluene	0.100	0.1122		mg/Kg		112	70 - 130	13	35
Ethylbenzene	0.100	0.1177		mg/Kg		118	70 - 130	32	35
m-Xylene & p-Xylene	0.200	0.2567	*1	mg/Kg		128	70 - 130	40	35
o-Xylene	0.100	0.1484	*+ *1	mg/Kg		148	70 - 130	38	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: 880-17511-A-1-A MS
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 30988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *-	0.101	0.07857		mg/Kg		78	70 - 130
Toluene	<0.00200	U	0.101	0.09503		mg/Kg		94	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

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

Lab Sample ID: 880-17511-A-1-A MS
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 30988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U *-	0.101	0.08459		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00401	U *1 *-	0.201	0.1735		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U *+ *1	0.101	0.09960		mg/Kg		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-17511-A-1-B MSD
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 30988

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *-	0.101	0.08310		mg/Kg		82	70 - 130	6	35
Toluene	<0.00200	U	0.101	0.09709		mg/Kg		96	70 - 130	2	35
Ethylbenzene	<0.00200	U *-	0.101	0.08542		mg/Kg		85	70 - 130	1	35
m-Xylene & p-Xylene	<0.00401	U *1 *-	0.202	0.1739		mg/Kg		86	70 - 130	0	35
o-Xylene	<0.00200	U *+ *1	0.101	0.1008		mg/Kg		100	70 - 130	1	35

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

Lab Sample ID: MB 880-31011/5-A
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31011

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/29/22 13:17	07/30/22 01:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/22 13:17	07/30/22 01:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/22 13:17	07/30/22 01:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/29/22 13:17	07/30/22 01:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/22 13:17	07/30/22 01:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/29/22 13:17	07/30/22 01:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/29/22 13:17*	*07/30/22 01:37*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*07/29/22 13:17*	*07/30/22 01:37*	*1*

Lab Sample ID: LCS 880-31011/1-A
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31011

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07777		mg/Kg		78	70 - 130
Toluene	0.100	0.09255		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08154		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1658		mg/Kg		83	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

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

Lab Sample ID: LCS 880-31011/1-A
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31011

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09992		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-31011/2-A
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31011

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.06253	*-	mg/Kg		63	70 - 130	22	35
Toluene			0.100	0.07063		mg/Kg		71	70 - 130	27	35
Ethylbenzene			0.100	0.06380	*-	mg/Kg		64	70 - 130	24	35
m-Xylene & p-Xylene			0.200	0.1309	*-	mg/Kg		65	70 - 130	24	35
o-Xylene			0.100	0.07995		mg/Kg		80	70 - 130	22	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-2665-A-1-C MS
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 31011

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U *-	0.101	0.08983		mg/Kg		89	70 - 130		
Toluene	<0.00202	U	0.101	0.09393		mg/Kg		93	70 - 130		
Ethylbenzene	<0.00202	U *-	0.101	0.08053		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene	<0.00404	U *-	0.202	0.1598		mg/Kg		79	70 - 130		
o-Xylene	<0.00202	U	0.101	0.09468		mg/Kg		94	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-2665-A-1-D MSD
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 31011

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U *-	0.100	0.08740		mg/Kg		87	70 - 130	3	35
Toluene	<0.00202	U	0.100	0.09226		mg/Kg		92	70 - 130	2	35
Ethylbenzene	<0.00202	U *-	0.100	0.07873		mg/Kg		79	70 - 130	2	35
m-Xylene & p-Xylene	<0.00404	U *-	0.200	0.1573		mg/Kg		79	70 - 130	2	35
o-Xylene	<0.00202	U	0.100	0.09257		mg/Kg		92	70 - 130	2	35

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

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

Lab Sample ID: 890-2665-A-1-D MSD
Matrix: Solid
Analysis Batch: 30959

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 31011

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

Lab Sample ID: MB 880-31155/5-A
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 09:07	08/01/22 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 09:07	08/01/22 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/01/22 09:07	08/01/22 11:15	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/01/22 09:07	08/01/22 11:15	1

Lab Sample ID: LCS 880-31155/1-A
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31155

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09936		mg/Kg		99	70 - 130		
Toluene			0.100	0.09630		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.09817		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.1988		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.1075		mg/Kg		107	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-31155/2-A
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31155

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09608		mg/Kg		96	70 - 130	3	35
Toluene			0.100	0.09311		mg/Kg		93	70 - 130	3	35
Ethylbenzene			0.100	0.09442		mg/Kg		94	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1886		mg/Kg		94	70 - 130	5	35
o-Xylene			0.100	0.1018		mg/Kg		102	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

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

Lab Sample ID: LCSD 880-31155/2-A
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31155

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

Lab Sample ID: 880-17525-A-1-C MS
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 31155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.09026		mg/Kg		89	70 - 130
Toluene	<0.00201	U	0.101	0.08643		mg/Kg		86	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.08833		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1774		mg/Kg		88	70 - 130
o-Xylene	<0.00201	U	0.101	0.09473		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-17525-A-1-D MSD
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 31155

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09271		mg/Kg		93	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.09050		mg/Kg		90	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.100	0.09124		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1844		mg/Kg		92	70 - 130	4	35
o-Xylene	<0.00201	U	0.100	0.09887		mg/Kg		99	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-31009/1-A
Matrix: Solid
Analysis Batch: 31049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/22 13:01	07/30/22 10:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:01	07/30/22 10:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:01	07/30/22 10:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	07/29/22 13:01	07/30/22 10:06	1
o-Terphenyl	117		70 - 130	07/29/22 13:01	07/30/22 10:06	1

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

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

Lab Sample ID: LCS 880-31009/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31049 — **Prep Batch: 31009**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1166		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1043		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*133*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-31009/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31049 — **Prep Batch: 31009**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	932.2	*1	mg/Kg		93	70 - 130	22	20
Diesel Range Organics (Over C10-C28)			1000	919.7		mg/Kg		92	70 - 130	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 890-2670-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31049 — **Prep Batch: 31009**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	871.8		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	772.9		mg/Kg		77	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: 890-2670-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31049 — **Prep Batch: 31009**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	995.4		mg/Kg		98	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	706.7		mg/Kg		71	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

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

Lab Sample ID: 890-2670-A-1-C MSD
Matrix: Solid
Analysis Batch: 31049

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 31009

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	97		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30995/1-A
Matrix: Solid
Analysis Batch: 31033

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/29/22 22:18	1

Lab Sample ID: LCS 880-30995/2-A
Matrix: Solid
Analysis Batch: 31033

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.8		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-30995/3-A
Matrix: Solid
Analysis Batch: 31033

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	257.5		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-17511-A-1-E MS
Matrix: Solid
Analysis Batch: 31033

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	22.3		249	256.2		mg/Kg		94	90 - 110		

Lab Sample ID: 880-17511-A-1-F MSD
Matrix: Solid
Analysis Batch: 31033

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	22.3		249	249.4		mg/Kg		91	90 - 110	3	20

Lab Sample ID: 890-2673-1 MS
Matrix: Solid
Analysis Batch: 31033

Client Sample ID: SW-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	25.7		250	261.6		mg/Kg		95	90 - 110		

QC Sample Results

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2673-1 MSD
Matrix: Solid
Analysis Batch: 31033

Client Sample ID: SW-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.7		250	274.0		mg/Kg		99	90 - 110	5	20

QC Association Summary

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

GC VOA

Analysis Batch: 30959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-2	SW-2	Total/NA	Solid	8021B	30988
890-2673-4	SW-4	Total/NA	Solid	8021B	30988
890-2673-5	CS-1	Total/NA	Solid	8021B	30988
890-2673-6	CS-2	Total/NA	Solid	8021B	30988
MB 880-30988/5-A	Method Blank	Total/NA	Solid	8021B	30988
MB 880-31011/5-A	Method Blank	Total/NA	Solid	8021B	31011
LCS 880-30988/1-A	Lab Control Sample	Total/NA	Solid	8021B	30988
LCS 880-31011/1-A	Lab Control Sample	Total/NA	Solid	8021B	31011
LCSD 880-30988/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30988
LCSD 880-31011/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31011
880-17511-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	30988
880-17511-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30988
890-2665-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	31011
890-2665-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31011

Prep Batch: 30988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-2	SW-2	Total/NA	Solid	5035	
890-2673-4	SW-4	Total/NA	Solid	5035	
890-2673-5	CS-1	Total/NA	Solid	5035	
890-2673-6	CS-2	Total/NA	Solid	5035	
MB 880-30988/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30988/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30988/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17511-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-17511-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 31011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31011/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31011/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31011/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2665-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2665-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-1	SW-1	Total/NA	Solid	Total BTEX	
890-2673-2	SW-2	Total/NA	Solid	Total BTEX	
890-2673-3	SW-3	Total/NA	Solid	Total BTEX	
890-2673-4	SW-4	Total/NA	Solid	Total BTEX	
890-2673-5	CS-1	Total/NA	Solid	Total BTEX	
890-2673-6	CS-2	Total/NA	Solid	Total BTEX	

Analysis Batch: 31148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-1	SW-1	Total/NA	Solid	8021B	31155
890-2673-3	SW-3	Total/NA	Solid	8021B	31155
MB 880-31155/5-A	Method Blank	Total/NA	Solid	8021B	31155
LCS 880-31155/1-A	Lab Control Sample	Total/NA	Solid	8021B	31155
LCSD 880-31155/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31155

QC Association Summary

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

GC VOA (Continued)

Analysis Batch: 31148 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17525-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	31155
880-17525-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31155

Prep Batch: 31155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-1	SW-1	Total/NA	Solid	5035	
890-2673-3	SW-3	Total/NA	Solid	5035	
MB 880-31155/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31155/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31155/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17525-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-17525-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 31009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-1	SW-1	Total/NA	Solid	8015NM Prep	
890-2673-2	SW-2	Total/NA	Solid	8015NM Prep	
890-2673-3	SW-3	Total/NA	Solid	8015NM Prep	
890-2673-4	SW-4	Total/NA	Solid	8015NM Prep	
890-2673-5	CS-1	Total/NA	Solid	8015NM Prep	
890-2673-6	CS-2	Total/NA	Solid	8015NM Prep	
MB 880-31009/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31009/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2670-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2670-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-1	SW-1	Total/NA	Solid	8015B NM	31009
890-2673-2	SW-2	Total/NA	Solid	8015B NM	31009
890-2673-3	SW-3	Total/NA	Solid	8015B NM	31009
890-2673-4	SW-4	Total/NA	Solid	8015B NM	31009
890-2673-5	CS-1	Total/NA	Solid	8015B NM	31009
890-2673-6	CS-2	Total/NA	Solid	8015B NM	31009
MB 880-31009/1-A	Method Blank	Total/NA	Solid	8015B NM	31009
LCS 880-31009/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31009
LCSD 880-31009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31009
890-2670-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	31009
890-2670-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	31009

Analysis Batch: 31114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-1	SW-1	Total/NA	Solid	8015 NM	
890-2673-2	SW-2	Total/NA	Solid	8015 NM	
890-2673-3	SW-3	Total/NA	Solid	8015 NM	
890-2673-4	SW-4	Total/NA	Solid	8015 NM	
890-2673-5	CS-1	Total/NA	Solid	8015 NM	
890-2673-6	CS-2	Total/NA	Solid	8015 NM	

QC Association Summary

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

HPLC/IC

Leach Batch: 30995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-1	SW-1	Soluble	Solid	DI Leach	
890-2673-2	SW-2	Soluble	Solid	DI Leach	
890-2673-3	SW-3	Soluble	Solid	DI Leach	
890-2673-4	SW-4	Soluble	Solid	DI Leach	
890-2673-5	CS-1	Soluble	Solid	DI Leach	
890-2673-6	CS-2	Soluble	Solid	DI Leach	
MB 880-30995/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30995/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30995/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17511-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17511-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-2673-1 MS	SW-1	Soluble	Solid	DI Leach	
890-2673-1 MSD	SW-1	Soluble	Solid	DI Leach	

Analysis Batch: 31033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2673-1	SW-1	Soluble	Solid	300.0	30995
890-2673-2	SW-2	Soluble	Solid	300.0	30995
890-2673-3	SW-3	Soluble	Solid	300.0	30995
890-2673-4	SW-4	Soluble	Solid	300.0	30995
890-2673-5	CS-1	Soluble	Solid	300.0	30995
890-2673-6	CS-2	Soluble	Solid	300.0	30995
MB 880-30995/1-A	Method Blank	Soluble	Solid	300.0	30995
LCS 880-30995/2-A	Lab Control Sample	Soluble	Solid	300.0	30995
LCSD 880-30995/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30995
880-17511-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	30995
880-17511-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30995
890-2673-1 MS	SW-1	Soluble	Solid	300.0	30995
890-2673-1 MSD	SW-1	Soluble	Solid	300.0	30995

Lab Chronicle

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Client Sample ID: SW-1

Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	31155	08/01/22 09:07	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31148	08/01/22 16:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31073	07/30/22 18:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			31114	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	31009	07/29/22 13:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31049	07/30/22 13:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30995	07/29/22 11:23	SMC	XEN MID
Soluble	Analysis	300.0		1			31033	07/30/22 00:54	CH	XEN MID

Client Sample ID: SW-2

Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30988	07/29/22 10:52	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30959	07/29/22 20:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31073	07/30/22 18:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			31114	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31009	07/29/22 13:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31049	07/30/22 14:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30995	07/29/22 11:23	SMC	XEN MID
Soluble	Analysis	300.0		1			31033	07/30/22 01:22	CH	XEN MID

Client Sample ID: SW-3

Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	31155	08/01/22 09:07	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31148	08/01/22 17:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31073	07/30/22 18:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			31114	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31009	07/29/22 13:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31049	07/30/22 14:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30995	07/29/22 11:23	SMC	XEN MID
Soluble	Analysis	300.0		1			31033	07/30/22 01:31	CH	XEN MID

Client Sample ID: SW-4

Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	30988	07/29/22 10:52	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30959	07/29/22 21:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31073	07/30/22 18:57	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Client Sample ID: SW-4
Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			31114	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31009	07/29/22 13:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31049	07/30/22 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30995	07/29/22 11:23	SMC	XEN MID
Soluble	Analysis	300.0		1			31033	07/30/22 01:59	CH	XEN MID

Client Sample ID: CS-1
Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	30988	07/29/22 10:52	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30959	07/29/22 21:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31073	07/30/22 18:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			31114	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31009	07/29/22 13:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31049	07/30/22 15:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30995	07/29/22 11:23	SMC	XEN MID
Soluble	Analysis	300.0		1			31033	07/30/22 02:08	CH	XEN MID

Client Sample ID: CS-2
Date Collected: 07/27/22 00:00
Date Received: 07/28/22 09:50

Lab Sample ID: 890-2673-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30988	07/29/22 10:52	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30959	07/29/22 22:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31073	07/30/22 18:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			31114	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31009	07/29/22 13:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31049	07/30/22 15:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30995	07/29/22 11:23	SMC	XEN MID
Soluble	Analysis	300.0		1			31033	07/30/22 02:17	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

Method Summary

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Rebel 20 CTB (Spill #2)

Job ID: 890-2673-1
SDG: 225511

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2673-1	SW-1	Solid	07/27/22 00:00	07/28/22 09:50
890-2673-2	SW-2	Solid	07/27/22 00:00	07/28/22 09:50
890-2673-3	SW-3	Solid	07/27/22 00:00	07/28/22 09:50
890-2673-4	SW-4	Solid	07/27/22 00:00	07/28/22 09:50
890-2673-5	CS-1	Solid	07/27/22 00:00	07/28/22 09:50
890-2673-6	CS-2	Solid	07/27/22 00:00	07/28/22 09:50

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Rebel 20 CTB 5b11#7	Turn Around	☐ Routine ☑ Rush
Project Number:	225511	Due Date:	24hr
Project Location	Lea Co	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Jordan Tyner		
PO #:	21025271		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	THM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.6
Total Containers:	6	Corrected Temperature:	5.4

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
SW-1	7/27/2022		X		Comp	1		X	X	X		
SW-2	7/27/2022		X		Comp	1		X	X	X		
SW-3	7/27/2022		X		Comp	1		X	X	X		
SW-4	7/27/2022		X		Comp	1		X	X	X		
CS-1	7/27/2022		X		Comp	1		X	X	X		
CS-2	7/27/2022		X		Comp	1		X	X	X		

ANALYSIS REQUEST

890-2673 Chain of Custody

Parameters

Additional Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		7-28-22 950	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020 1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2673-1
SDG Number: 225511

Login Number: 2673
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2673-1
SDG Number: 225511

Login Number: 2673
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 07/29/22 10:24 AM

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

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

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

CONDITIONS

Action 143699

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 143699
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	9/28/2022