State of New Mexico
Oil Conservation Division

Incident ID	NRM2011329998
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: 7-20-2022

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

OCD Only

Received by: Robert Hamlet Date: 1/5/2023

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: Robert Hamlet Date: 1/5/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Incident ID	NRM2011329998
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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?	142.71' (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	NRM2011329998
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Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 11/1/2022

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

OCD Only

Received by: Jocelyn Harimon Date: 11/01/2022

Incident ID	NRM2011329998
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: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 11/1/2022

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

OCD Only

Received by: Jocelyn Harimon Date: 11/01/2022

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

Signature: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NRM2011329998
District RP	
Facility ID	
Application ID	

Closure

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

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

OCD Only

Received by: Jocelyn Harimon Date: 11/01/2022

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

July 18, 2022

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

Re: Closure Report
Spica 25 Fed 1 Battery
Devon Energy Production Company
Site Location: Unit A, S26, T19S, R31E
(Lat 32.637803º, Long -103.832231º)
Eddy County, New Mexico
Incident ID: NRM2011329998

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 Spica 25 Fed 1 Battery (Site). The Site is located approximately 13 miles southeast of Loco Hills, New Mexico in Eddy 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 April 17, 2020. The release was a result of a rod rotator cable entangling a ¼ inch tee adjacent to a pumping tee causing a failure resulting in the release of approximately 7.42 barrels (bbls) of crude oil of which 6 bbls where recovered. Upon discovery, the well 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 1.06 miles west-southwest of the site at Latitude 32.63416667, Longitude 103.85000000. The well was drilled in 1971 and the reported depth to groundwater is 142.71 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 March 30, 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. Four horizontal 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 – 1.5 ft bgs with a geotechnical handauger. The handauger 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 Envirotech Laboratories in Farmington, New Mexico for chemical analysis. Soil samples were analyzed collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Initial Analytical results identified no impacts at depth (1.5 ft bgs) in the release area. Soil impacts were confined to the upper 1.5 ft bgs in S-1. Analytical results from the horizontal delineation indicated sample points H-1 - H-4 were below the regulatory limit for all analytes.

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 1.5 ft bgs.

The soils were field screened during excavation activities to aide in determining final excavation depths. On May 24, 2022, a total of 2 confirmation samples were collected from the excavation base (CS-1 - CS-2) and 4 confirmation samples were collected from the excavation sidewalls (SW-1 - SW-4) to ensure impacted soil was removed. Upon receipt of confirmation sampling results, it was noted that TPH concentrations the samples CS-1 and SW-2 were above the regulatory limits.

As a result, the excavation was expanded, and the area of CS-1 was excavated to a depth of 2.5 ft bgs and the area of SW-2 was extended horizontally an additional 5 ft. On July 1, 20222, additional confirmation samples were collected (i.e., CS-1 2.5', SW-5, and SW-6) following excavation expansion activities to confirm the removal of impacted soils.

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 (method SM4500Cl-B). 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 in compliance with the regulatory limits and no further actions are required at the site. A copy of the final C- 141 is attached and Devon formally 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: Tuesday, June 28, 2022 9:14 AM
To: ocd.enviro@state.nm.us
Subject: Sampling Notification (Rescheduled)

We will be sampling on behalf of Devon at the below referenced site on 7.1.2022. around 9 a.m. MST

Spica 25 Fed: NAPP2208052877, NRM2011329998, and the reported incident occurring on 5.26.2014 for the associated site incident files could not be found.

Ethan Sessums
Environmental Scientist
NTG Environmental New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
http://www.ntgenvironmental.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	NRM2011329998
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

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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: _____ Date: _____

Spill Volume(Bbls) Calculator

Inputs in blue, Outputs in red

Contaminated Soil measurement

Length(Ft)	Width(Ft)	Depth(Ft)
18	9.000	0.021
Cubic Feet of Soil Impacted		3.402
Barrels of Soil Impacted		0.61
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		0.09
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		0.09

Free Standing Fluid Only

Length(Ft)	Width(Ft)	Depth(Ft)
18	9.000	0.021
Standing fluid		0.605
Total fluids spilled		0.696

Spill Volume(Bbls) Calculator

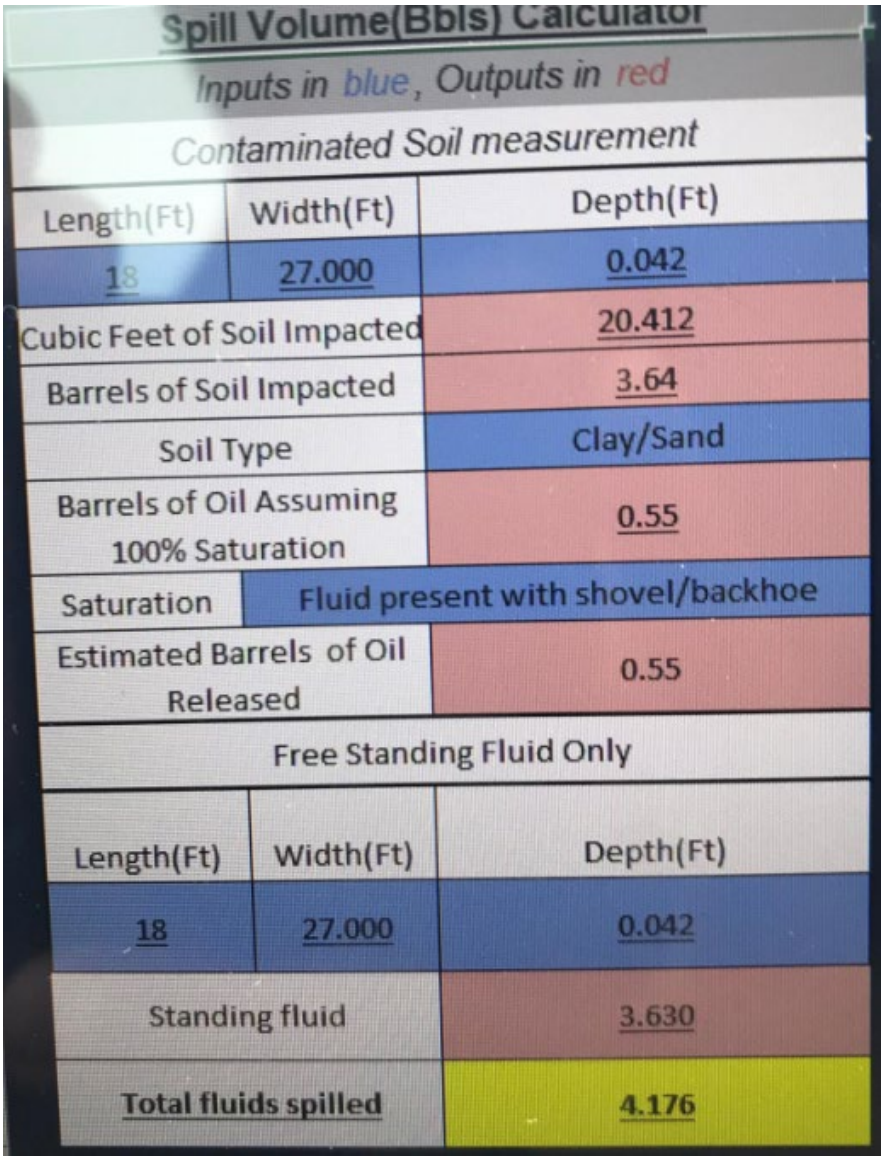
Inputs in blue, Outputs in red

Contaminated Soil measurement

Length(Ft)	Width(Ft)	Depth(Ft)
33	9.000	0.042
Cubic Feet of Soil Impacted		12.474
Barrels of Soil Impacted		2.22
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		0.33
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		0.33

Free Standing Fluid Only

Length(Ft)	Width(Ft)	Depth(Ft)
33	9.000	0.042
Standing fluid		2.219
Total fluids spilled		2.552



Spill Volume(Bbls) Calculator		
Inputs in blue, Outputs in red		
Contaminated Soil measurement		
Length(Ft)	Width(Ft)	Depth(Ft)
18	27.000	0.042
Cubic Feet of Soil Impacted		20.412
Barrels of Soil Impacted		3.64
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		0.55
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		0.55
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth(Ft)
18	27.000	0.042
Standing fluid		3.630
Total fluids spilled		**4.176**

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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

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Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 7/20/2022

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

OCD Only

Received by: _____ Date: _____

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Remediation Plan

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

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

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☐ Extents of contamination must be fully delineated.

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Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 7/20/2022

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

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

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☒ 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: 7-20-2022

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

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: _____

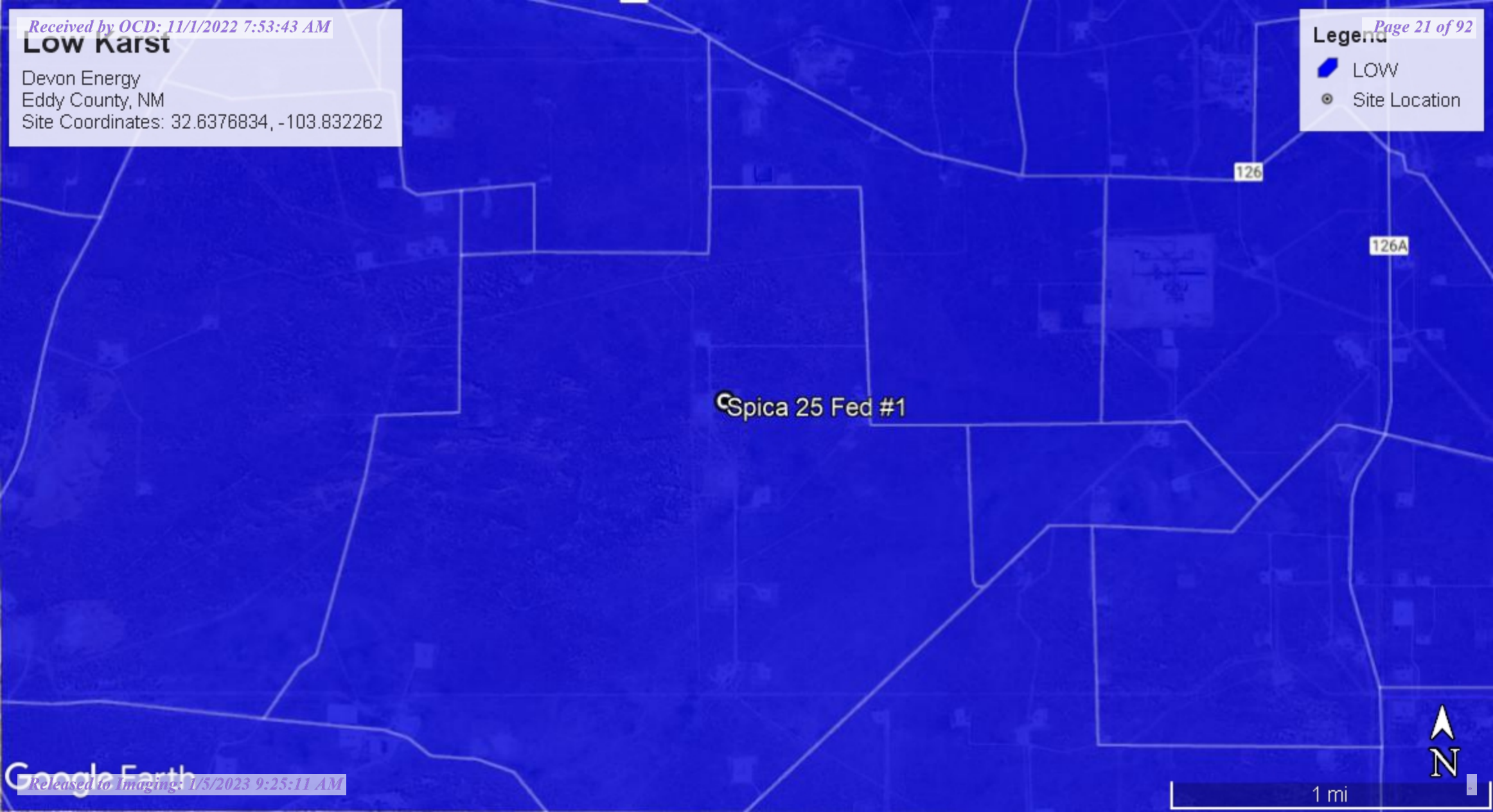
Printed Name: _____ Title: _____

SITE CHARACTERIZATION INFORMATION

Devon Energy - Spica 25 Fed 1
Sec 26 T19S R31E Unit A
32.6376834, -103.832262
Eddy 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 142.71' below surface, 1.06 miles West-SouthWest of the site, 1971 Drilled, Section 27
-USGS Groundwater is 141.52' below surface, 1.14 miles West-Southwest of the site, 1988 Drilled, Section 27
-USGS Groundwater is 166.99' below surface, 1.26 miles West-Southwest of the site, 1994 Drilled, Section 27
-NMSEO Groundwater is 130' below surface, 1.37 miles South-Southeast of the site, 1982 Drilled, Section 36

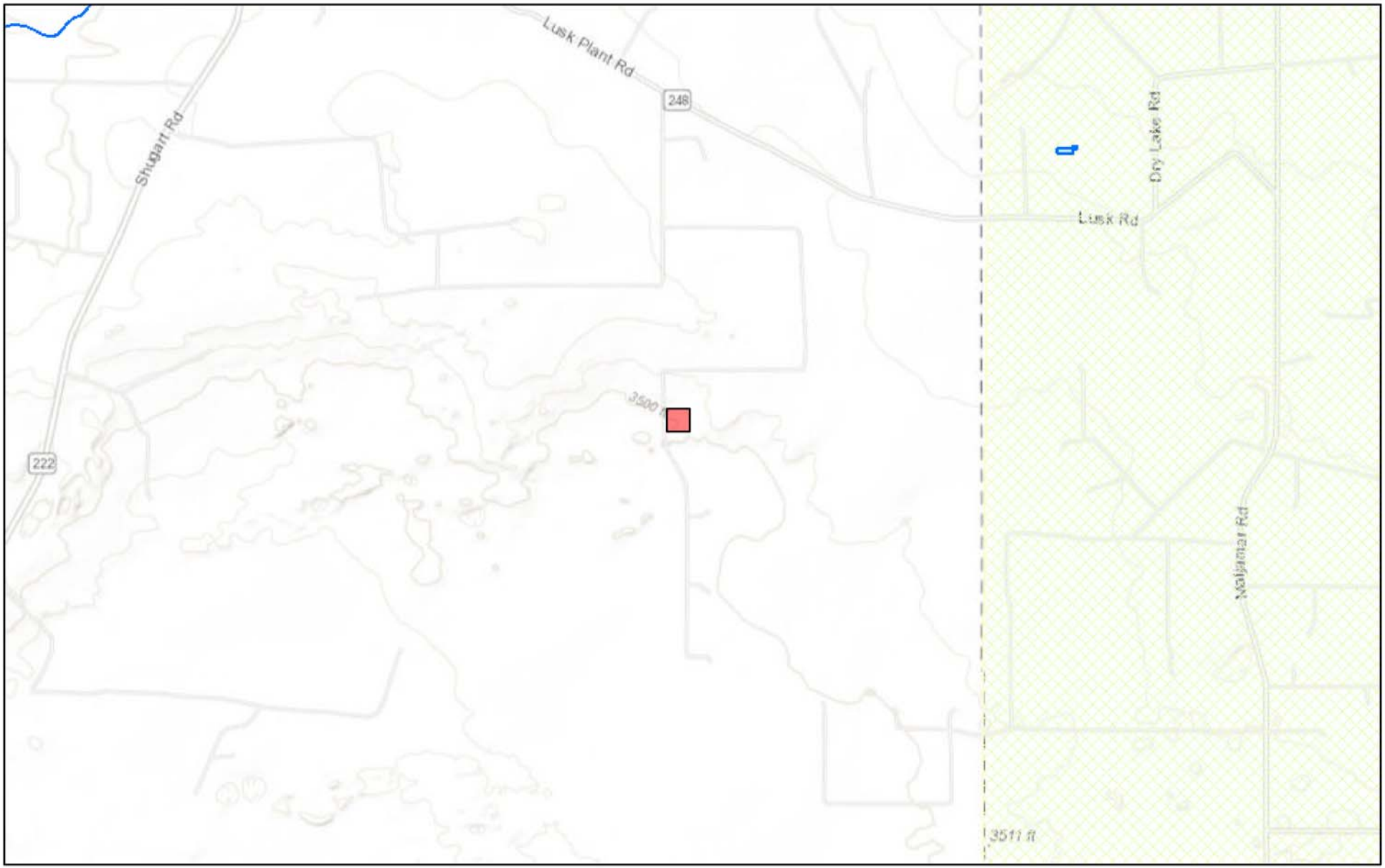
RRALs due to insufficient *RECENT* groundwater data\
-Chlorides 600 mg/kg
-TPH GRO+DRO+MRO 100 mg/kg
-BTEX 50 mg/kg
-Benzene 10 mg/kg



Nearest Water Wells

Devon Energy
Eddy County, NM
Site Coordinates: 32.6376834, -103.832262

New Mexico NFHL Data



March 31, 2022

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

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New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twp	Rng	X	Y
	CP 00641 POD1	4	1		36	19S	31E	610247	3609634*

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

Driller License:	882	**Driller Company:**	LARRY'S DRILLING & PUMP CO.		
Driller Name:	FELKINS, LARRY				
Drill Start Date:	02/11/1982	**Drill Finish Date:**	02/12/1982	**Plug Date:**	
Log File Date:	02/23/1982	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	300 feet	**Depth Water:**	130 feet

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

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
CP 00642 POD1	CP	ED		2	2	25	19S	31E	611025	3611657*	1496	250		
CP 00641 POD1	CP	ED		4	1	36	19S	31E	610247	3609634*	2209	300	130	170
CP 01554 POD2	CP	LE	2	2	1	22	19S	31E	607165	3613322	2854	400		
CP 01554 POD1	CP	LE	2	2	1	22	19S	31E	607166	3613354	2872	400		

Average Depth to Water: **130 feet**

Minimum Depth: **130 feet**

Maximum Depth: **130 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 609530 **Northing (Y):** 3611724 **Radius:** 3000

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

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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 =
- 323803103510001

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

USGS 323803103510001 19S.31E.27.21000

Eddy County, New Mexico
Latitude 32°38'03", Longitude 103°51'00" NAD27
Land-surface elevation 3,503 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) 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
1966-05-12		D	62610		3331.44	NGVD29	P	Z			A
1966-05-12		D	62611		3333.00	NAVD88	P	Z			A
1966-05-12		D	72019	170.00			P	Z			A
1968-04-03		D	62610		3358.81	NGVD29	1	Z			A
1968-04-03		D	62611		3360.37	NAVD88	1	Z			A
1968-04-03		D	72019	142.63			1	Z			A
1971-02-01		D	62610		3358.73	NGVD29	1	Z			A
1971-02-01		D	62611		3360.29	NAVD88	1	Z			A
1971-02-01		D	72019	142.71			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
Status	P	Pumping
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.

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- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
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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 =
- 323807103510601

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

USGS 323807103510601 19S.31E.27.214132

Eddy County, New Mexico
Latitude 32°38'07", Longitude 103°51'06" NAD27
Land-surface elevation 3,500 feet above NAVD88
The depth of the well is 177 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) 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
1983-01-19		D	62610		3361.91	NGVD29	1	Z			A
1983-01-19		D	62611		3363.47	NAVD88	1	Z			A
1983-01-19		D	72019	136.53			1	Z			A
1988-02-23		D	62610		3356.92	NGVD29	1	Z			A
1988-02-23		D	62611		3358.48	NAVD88	1	Z			A
1988-02-23		D	72019	141.52			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.

Questions about sites/data?
Feedback on this web site

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- 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 =
- 323810103511401

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

USGS 323810103511401 19S.31E.27.214121

Eddy County, New Mexico
Latitude 32°38'10", Longitude 103°51'14" NAD27
Land-surface elevation 3,480 feet above NGVD29
The depth of the well is 210.00 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
1988-02-23		D	62610		3331.86	NGVD29		S			A
1988-02-23		D	62611		3333.41	NAVD88		S			A
1988-02-23		D	72019	148.14				S			A
1994-03-18		D	62610		3313.01	NGVD29	P	S			A
1994-03-18		D	62611		3314.56	NAVD88	P	S			A
1994-03-18		D	72019	166.99			P	S			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		The reported water-level measurement represents a static level
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Help
Data Tips
Explanation of terms
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U.S. Department of the Interior | U.S. Geological Survey

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 12:18:49 EDT
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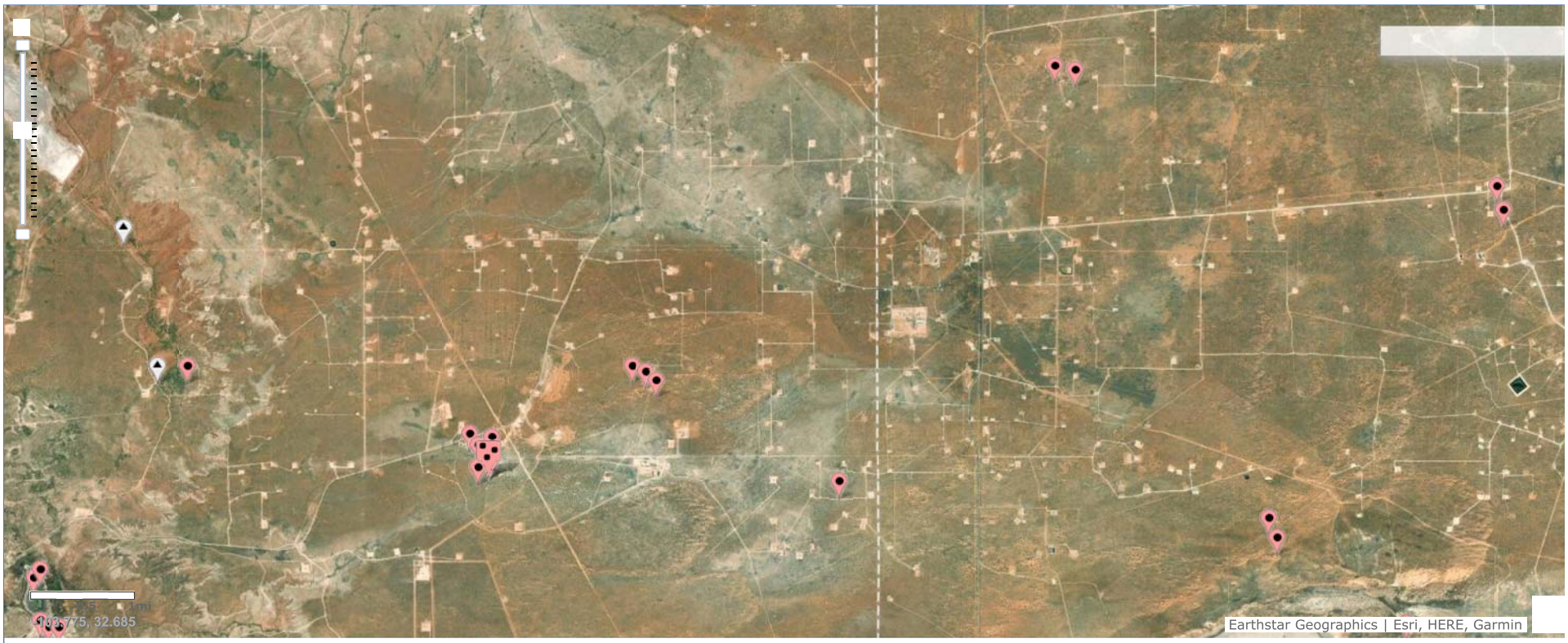


Site Information

TABLES

Table 1. Soil Analytical Results - Site Assessment
Devon Energy
Spica 25 Fed 1 (Spill #3)
Eddy 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						
S-1	3/30/2022	1-1.5	<0.25	<0.20	<0.50	<0.20	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**223**
H-1	3/30/2022	--	<0.25	<0.20	<0.50	<0.20	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**57.7**
H-2	3/30/2022	--	<0.25	<0.20	<0.50	<0.20	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**64.5**
H-3	3/30/2022	--	<0.25	<0.20	<0.50	<0.20	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**60.5**
H-4	3/30/2022	--	<0.25	<0.20	<0.50	<0.20	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**70.1**
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

NTGE Project No. 225189

Perpared By: NTG ENVIRONMENTAL

Table 2. Soil Analytical Results - Excavation Confirmation Samples
Devon Energy
Spica 25 Fed 1 (Spill #3)
Eddy 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	5/24/2022	1.5	**163**	<50.0	<50.0	**163**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**314**
	7/1/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**96**
CS-2	5/24/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**239**
SW-1	5/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**502**
SW-2	5/24/2022	--	**122**	<50.0	<50.0	**122**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**371**
SW-3	5/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**244**
SW-4	5/24/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**499**
SW-5	7/1/2022	--	<10.0	<10.0	**13.2**	**13.2**	<0.050	<0.050	<0.050	<0.150	<0.300	**64**
SW-6	7/1/2022	--	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**96**
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

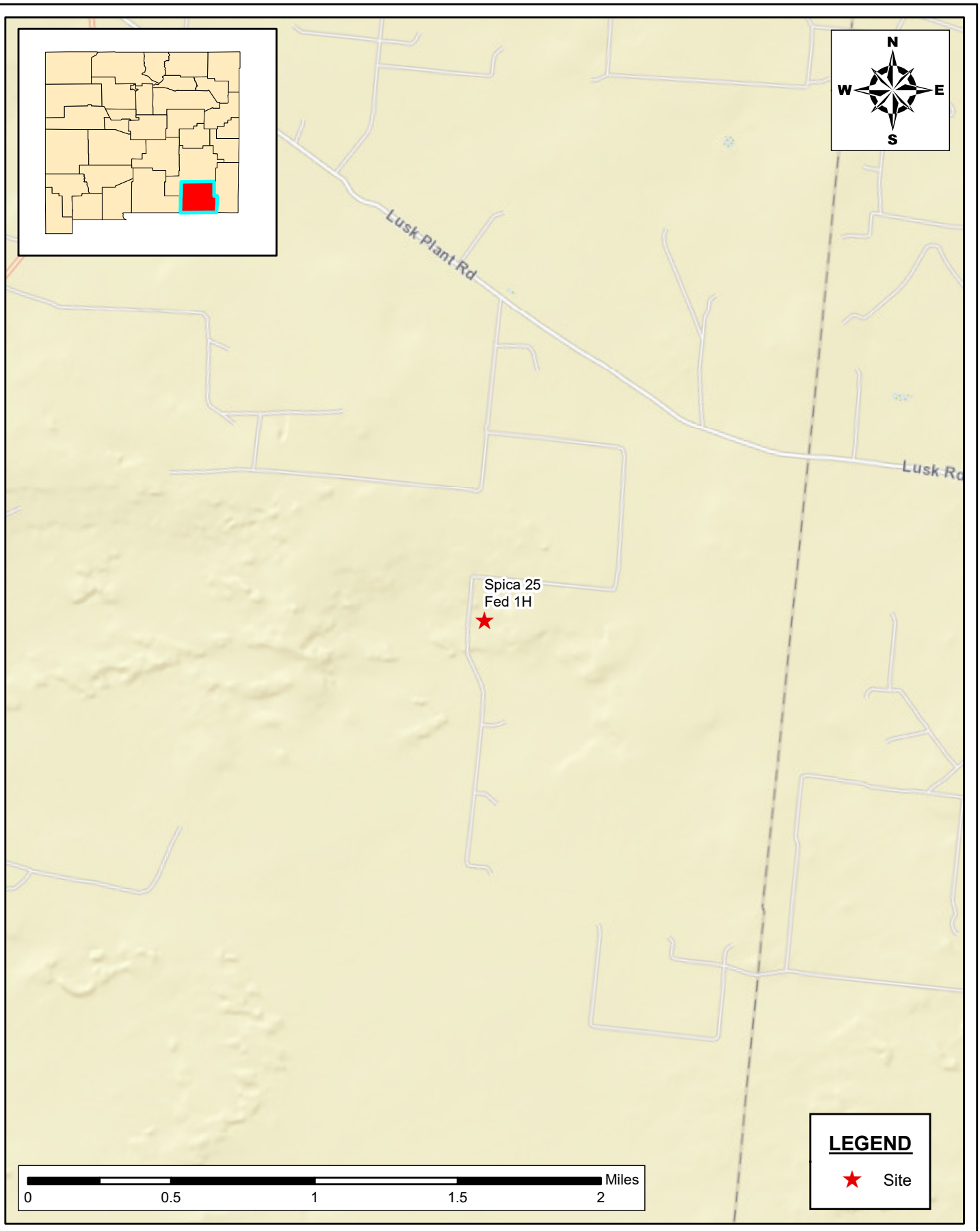
ft-feet

- exceeds regulatory limits

NTGE Project No. 225189

Perpared By: NTG ENVIRONMENTAL

FIGURES



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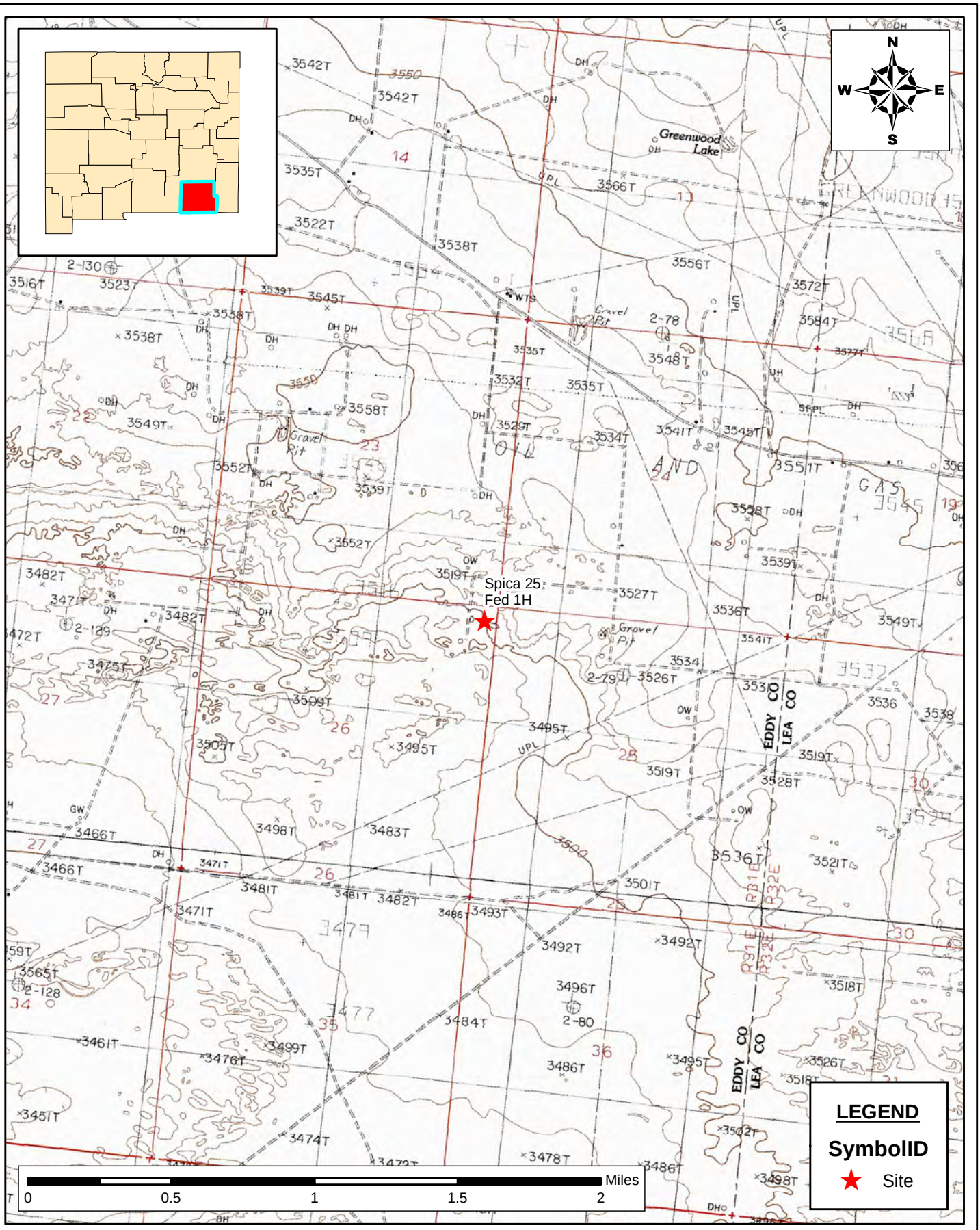
SITE LOCATION MAP
SITE ASSESSMENT REPORT
SPICA25 FED 1
DEVON. LLC
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 04/08/2022	PROJECT #: 225486

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 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



SITE LOCATION MAP
SITE ASSESSMENT REPORT
SPICA 25 FED 1
DEVON. LLC
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN | DATE: 04/08/2022 | PROJECT #: 225486

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 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
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SHEET NUMBER:
1 of 1

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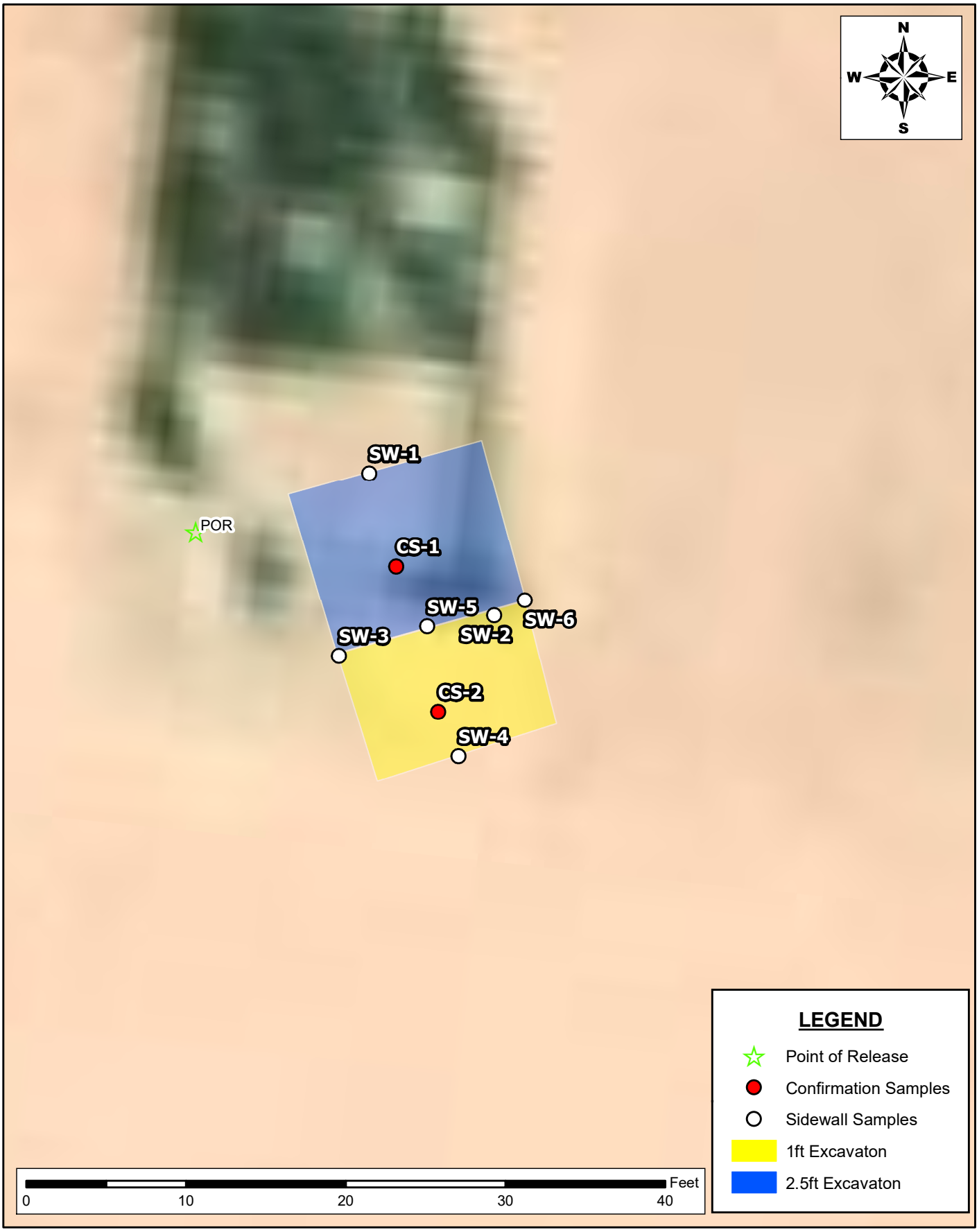

SITE LOCATION MAP
SITE ASSESSMENT REPORT
SPICA 25 FED 1 (SPILL #3)
DEVON ENERGY PRODUCTION COMPANY. LLC
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 07/12/2022	PROJECT #: 225486

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 2017
2. Map Projection: NAD 1983

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FIGURE 3
SHEET NUMBER:
1 of 1

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PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

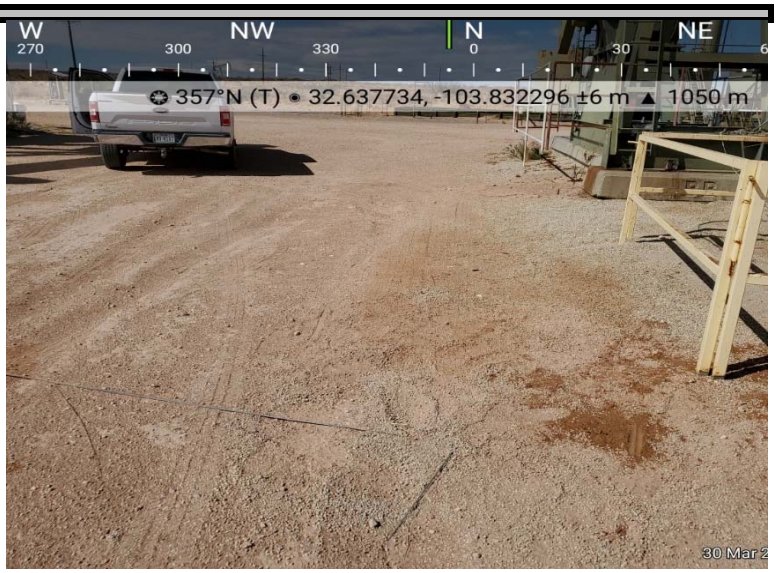
Devon Energy Production Company

Photograph No. 1

Facility: Spica 25 FED 1 (Spill #3)

County: Eddy County, New Mexico

Description:
Stained area prior to excavation.



Photograph No. 2

Facility: Spica 25 FED 1 (Spill #3)

County: Eddy County, New Mexico

Description:
Stained Area prior to excavation.

Photograph No. 3

Facility: Spica 25 FED 1 (Spill #3)

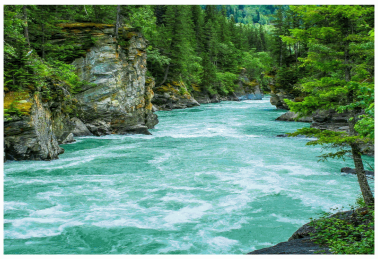
County: Eddy County, New Mexico

Description:
Remediated site (after rain event)

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

Report to:

Ethan Sessums



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name:	Spica 25 Fed 1H (Spill #3)
Work Order:	E204007
Job Number:	01058-0007
Received:	4/1/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 4/7/22

Ethan Sessums
911 Regional Park Dr.
Houston, TX 77060

Project Name: Spica 25 Fed 1H (Spill #3)
Workorder: E204007
Date Received: 4/1/2022 1:00:00PM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/1/2022 1:00:00PM, under the Project Name: Spica 25 Fed 1H (Spill #3).

The analytical test results summarized in this report with the Project Name: Spica 25 Fed 1H (Spill #3) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	**Reported:**
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	04/07/22 15:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 (1-1.5')	E204007-01A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
H-1	E204007-02A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
H-2	E204007-03A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
H-3	E204007-04A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
H-4	E204007-05A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.

Sample Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	
911 Regional Park Dr.	Project Number:	01058-0007	**Reported:**
Houston TX, 77060	Project Manager:	Ethan Sessums	4/7/2022 3:55:50PM

S-1 (1-1.5')

E204007-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*04/05/22*	*04/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2215024
Chloride	**223**	20.0	1	04/06/22	04/06/22	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	
911 Regional Park Dr.	Project Number:	01058-0007	**Reported:**
Houston TX, 77060	Project Manager:	Ethan Sessums	4/7/2022 3:55:50PM

H-1

E204007-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*04/05/22*	*04/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2215024
Chloride	**57.7**	20.0	1	04/06/22	04/06/22	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	
911 Regional Park Dr.	Project Number:	01058-0007	**Reported:**
Houston TX, 77060	Project Manager:	Ethan Sessums	4/7/2022 3:55:50PM

H-2

E204007-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*04/05/22*	*04/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2215024
Chloride	**64.5**	20.0	1	04/06/22	04/06/22	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	
911 Regional Park Dr.	Project Number:	01058-0007	**Reported:**
Houston TX, 77060	Project Manager:	Ethan Sessums	4/7/2022 3:55:50PM

H-3

E204007-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*04/05/22*	*04/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2215024
Chloride	**60.5**	20.0	1	04/06/22	04/06/22	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	
911 Regional Park Dr.	Project Number:	01058-0007	**Reported:**
Houston TX, 77060	Project Manager:	Ethan Sessums	4/7/2022 3:55:50PM

H-4

E204007-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2215001
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*04/04/22*	*04/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		*98.3 %*	*50-200*	*04/05/22*	*04/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2215024
Chloride	**70.1**	20.0	1	04/06/22	04/06/22	

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	**Reported:**
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	4/7/2022 3:55:50PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2215001-BLK1)									Prepared: 04/04/22 Analyzed: 04/06/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			
LCS (2215001-BS1)									Prepared: 04/04/22 Analyzed: 04/06/22
Benzene	4.66	0.0250	5.00		93.2	70-130			
Ethylbenzene	4.35	0.0250	5.00		87.1	70-130			
Toluene	4.57	0.0250	5.00		91.4	70-130			
o-Xylene	4.52	0.0250	5.00		90.4	70-130			
p,m-Xylene	9.00	0.0500	10.0		90.0	70-130			
Total Xylenes	13.5	0.0250	15.0		90.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2215001-MS1)				**Source: E204004-01**					Prepared: 04/04/22 Analyzed: 04/06/22
Benzene	5.18	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.83	0.0250	5.00	ND	96.5	61-133			
Toluene	5.08	0.0250	5.00	ND	102	61-130			
o-Xylene	5.00	0.0250	5.00	ND	100	63-131			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.3*	*70-130*			
Matrix Spike Dup (2215001-MSD1)				**Source: E204004-01**					Prepared: 04/04/22 Analyzed: 04/06/22
Benzene	5.08	0.0250	5.00	ND	102	54-133	1.87	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.9	61-133	1.76	20	
Toluene	4.98	0.0250	5.00	ND	99.7	61-130	1.84	20	
o-Xylene	4.92	0.0250	5.00	ND	98.4	63-131	1.71	20	
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	63-131	1.81	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131	1.78	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.68*		*8.00*		*96.0*	*70-130*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	**Reported:**
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	4/7/2022 3:55:50PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2215001-BLK1)									Prepared: 04/04/22 Analyzed: 04/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.6*	*70-130*			
LCS (2215001-BS2)									Prepared: 04/04/22 Analyzed: 04/06/22
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike (2215001-MS2)				**Source: E204004-01**					Prepared: 04/04/22 Analyzed: 04/06/22
Gasoline Range Organics (C6-C10)	57.1	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2215001-MSD2)				**Source: E204004-01**					Prepared: 04/04/22 Analyzed: 04/06/22
Gasoline Range Organics (C6-C10)	58.8	20.0	50.0	ND	118	70-130	2.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	**Reported:**
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	4/7/2022 3:55:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2215019-BLK1)									Prepared: 04/05/22 Analyzed: 04/05/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.8*		*50.0*		*102*	*50-200*			
LCS (2215019-BS1)									Prepared: 04/05/22 Analyzed: 04/05/22
Diesel Range Organics (C10-C28)	424	25.0	500		84.7	38-132			
Surrogate: n-Nonane	*48.2*		*50.0*		*96.5*	*50-200*			
Matrix Spike (2215019-MS1)				**Source: E204024-01**					Prepared: 04/05/22 Analyzed: 04/05/22
Diesel Range Organics (C10-C28)	450	25.0	500	ND	90.0	38-132			
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2215019-MSD1)				**Source: E204024-01**					Prepared: 04/05/22 Analyzed: 04/05/22
Diesel Range Organics (C10-C28)	444	25.0	500	ND	88.7	38-132	1.49	20	
Surrogate: n-Nonane	*49.9*		*50.0*		*99.9*	*50-200*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	**Reported:**
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	4/7/2022 3:55:50PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2215024-BLK1)									Prepared: 04/06/22 Analyzed: 04/06/22
Chloride	ND	20.0							
LCS (2215024-BS1)									Prepared: 04/06/22 Analyzed: 04/06/22
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2215024-MS1)				**Source: E203195-02**					Prepared: 04/06/22 Analyzed: 04/06/22
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2215024-MSD1)				**Source: E203195-02**					Prepared: 04/06/22 Analyzed: 04/06/22
Chloride	254	20.0	250	ND	102	80-120	0.110	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H (Spill #3)	
911 Regional Park Dr.	Project Number:	01058-0007	**Reported:**
Houston TX, 77060	Project Manager:	Ethan Sessums	04/07/22 15:55

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: E204007

Job #01058-0007

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:	Spica 25 Fed 1H (Spill #3)	Turn Around	☑ Routine ☐ Rush
Project Number:	225486	Due Date:	
Project Location	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Ethan Sessums		
PO #:	21015881		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:	5	Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_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
1	S-1 (1-1.5')	3/30/2022		x		Comp	1		x	x	x		
2	H-1	3/30/2022		x		Comp	1		x	x	x		
3	H-2	3/30/2022		x		Comp	1		x	x	x		
4	H-3	3/30/2022		x		Comp	1		x	x	x		
5	H-4	3/30/2022		x		Comp	1		x	x	x		

Parameters

Additional Comments:

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/31/22 11:10	2		
3		Caitlin Christian	4/1/22 13:00	4		
5				6		

Revised Date 05012020 Rev. 2020.1

Envirotech Analytical Laboratory

Printed: 4/1/2022 3:06:53PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	04/01/22 13:00	Work Order ID:	E204007
Phone:	(281) 872-9300	Date Logged In:	04/01/22 15:00	Logged In By:	Caitlin Christian
Email:	esessums@ntglobal.com	Due Date:	04/07/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Carrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	No	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

Sample times not provided on COC.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-15141-1
Laboratory Sample Delivery Group: Eddy County, New Mexico
Client Project/Site: Spica 25 Fed 1 (Spill #3)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Ethan Sessums

JKramer

Authorized for release by:
5/31/2022 10:58:14 AM

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: Spica 25 Fed 1 (Spill #3)

Laboratory Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Job ID: 880-15141-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-15141-1

Receipt
The samples were received on 5/24/2022 5:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-26236 and analytical batch 880-26212 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-26273 and analytical batch 880-26435 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.The associated samples are: CS-1 (1.5') (880-15141-1), CS-2 (1') (880-15141-2), SW-1 (880-15141-3), SW-2 (880-15141-4), SW-3 (880-15141-5), SW-4 (880-15141-6), (880-15141-A-1-E MS) and (880-15141-A-1-F MSD).

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: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

Lab Sample ID: 880-15141-1
Matrix: Solid

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		05/26/22 08:16	05/26/22 20:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/26/22 08:16	05/26/22 20:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/26/22 08:16	05/26/22 20:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/26/22 08:16	05/26/22 20:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/26/22 08:16	05/26/22 20:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/26/22 08:16	05/26/22 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/26/22 08:16*	*05/26/22 20:42*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/26/22 08:16*	*05/26/22 20:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/27/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**163**		50.0		mg/Kg			05/26/22 09:12	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 F2	50.0		mg/Kg		05/25/22 09:24	05/25/22 12:15	1
Diesel Range Organics (Over C10-C28)	**163**		50.0		mg/Kg		05/25/22 09:24	05/25/22 12:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/25/22 09:24	05/25/22 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/25/22 09:24*	*05/25/22 12:15*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/25/22 09:24*	*05/25/22 12:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**314**	**F1**	4.95		mg/Kg			05/27/22 22:16	1

Client Sample ID: CS-2 (1')

Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

Lab Sample ID: 880-15141-2
Matrix: Solid

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		05/26/22 08:16	05/26/22 21:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/26/22 08:16	05/26/22 21:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/26/22 08:16	05/26/22 21:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/26/22 08:16	05/26/22 21:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/26/22 08:16	05/26/22 21:02	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/26/22 08:16	05/26/22 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/26/22 08:16*	*05/26/22 21:02*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/26/22 08:16*	*05/26/22 21:02*	*1*

Client Sample Results

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-15141-2
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

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			05/27/22 12:36	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			05/26/22 09:12	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		05/25/22 09:24	05/25/22 13:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/25/22 09:24	05/25/22 13:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 09:24	05/25/22 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/25/22 09:24*	*05/25/22 13:19*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/25/22 09:24*	*05/25/22 13:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		5.04		mg/Kg			05/27/22 22:44	1

Client Sample ID: SW-1

Lab Sample ID: 880-15141-3
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

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		05/26/22 08:16	05/26/22 21:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 21:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 21:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/26/22 08:16	05/26/22 21:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 21:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/22 08:16	05/26/22 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/26/22 08:16*	*05/26/22 21:23*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/26/22 08:16*	*05/26/22 21:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/27/22 12:36	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			05/26/22 09:12	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		05/25/22 09:24	05/25/22 13:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/25/22 09:24	05/25/22 13:41	1

Client Sample Results

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1

Lab Sample ID: 880-15141-3
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

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		05/25/22 09:24	05/25/22 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*05/25/22 09:24*	*05/25/22 13:41*	*1*
o-Terphenyl	*82*		*70 - 130*	*05/25/22 09:24*	*05/25/22 13:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**502**		4.99		mg/Kg			05/27/22 22:53	1

Client Sample ID: SW-2

Lab Sample ID: 880-15141-4
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

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		05/26/22 08:16	05/26/22 21:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/22 08:16	05/26/22 21:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/22 08:16	05/26/22 21:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/22 08:16	05/26/22 21:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/22 08:16	05/26/22 21:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/22 08:16	05/26/22 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/26/22 08:16*	*05/26/22 21:43*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/26/22 08:16*	*05/26/22 21:43*	*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			05/27/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**122**		50.0		mg/Kg			05/26/22 09:12	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		05/25/22 09:24	05/25/22 14:02	1
Diesel Range Organics (Over C10-C28)	**122**		50.0		mg/Kg		05/25/22 09:24	05/25/22 14:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/25/22 09:24	05/25/22 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/25/22 09:24*	*05/25/22 14:02*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/25/22 09:24*	*05/25/22 14:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**371**		4.98		mg/Kg			05/27/22 23:02	1

Client Sample Results

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3

Lab Sample ID: 880-15141-5
Date Collected: 05/24/22 00:00
Matrix: Solid
Date Received: 05/24/22 17:05

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		05/26/22 08:16	05/26/22 23:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 23:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 23:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/26/22 08:16	05/26/22 23:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 23:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/22 08:16	05/26/22 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/26/22 08:16*	*05/26/22 23:34*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/26/22 08:16*	*05/26/22 23:34*	*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			05/27/22 12:36	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			05/26/22 09:12	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		05/25/22 09:24	05/25/22 14:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/25/22 09:24	05/25/22 14:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 09:24	05/25/22 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*05/25/22 09:24*	*05/25/22 14:25*	*1*
o-Terphenyl	*84*		*70 - 130*	*05/25/22 09:24*	*05/25/22 14:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**244**		4.99		mg/Kg			05/27/22 23:11	1

Client Sample ID: SW-4

Lab Sample ID: 880-15141-6
Date Collected: 05/24/22 00:00
Matrix: Solid
Date Received: 05/24/22 17:05

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		05/26/22 08:16	05/26/22 23:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/22 08:16	05/26/22 23:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/22 08:16	05/26/22 23:54	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/26/22 08:16	05/26/22 23:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/22 08:16	05/26/22 23:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/22 08:16	05/26/22 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/26/22 08:16*	*05/26/22 23:54*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/26/22 08:16*	*05/26/22 23:54*	*1*

Client Sample Results

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4

Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

Lab Sample ID: 880-15141-6

Matrix: Solid

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			05/27/22 12:36	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			05/26/22 09:12	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		05/25/22 09:24	05/25/22 14:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/25/22 09:24	05/25/22 14:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/25/22 09:24	05/25/22 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/25/22 09:24*	*05/25/22 14:46*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/25/22 09:24*	*05/25/22 14:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**499**		4.98		mg/Kg			05/27/22 23:39	1

Surrogate Summary

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

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)
880-15141-1	CS-1 (1.5')	105	103
880-15141-2	CS-2 (1')	101	101
880-15141-3	SW-1	105	104
880-15141-4	SW-2	107	103
880-15141-5	SW-3	113	93
880-15141-6	SW-4	99	102
880-15142-A-6-D MS	Matrix Spike	104	105
880-15142-A-6-E MSD	Matrix Spike Duplicate	102	96
LCS 880-26303/1-A	Lab Control Sample	97	99
LCSD 880-26303/2-A	Lab Control Sample Dup	102	100
MB 880-26303/5-A	Method Blank	99	100

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)
880-15141-1	CS-1 (1.5')	87	89
880-15141-1 MS	CS-1 (1.5')	86	78
880-15141-1 MSD	CS-1 (1.5')	100	90
880-15141-2	CS-2 (1')	84	90
880-15141-3	SW-1	78	82
880-15141-4	SW-2	80	85
880-15141-5	SW-3	79	84
880-15141-6	SW-4	84	89
LCS 880-26236/2-A	Lab Control Sample	87	81
LCSD 880-26236/3-A	Lab Control Sample Dup	91	89
MB 880-26236/1-A	Method Blank	80	86

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-26303/5-A
Matrix: Solid
Analysis Batch: 26372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26303

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 18:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 18:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 18:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/26/22 08:16	05/26/22 18:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/26/22 18:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/22 08:16	05/26/22 18:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/26/22 08:16*	*05/26/22 18:10*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/26/22 08:16*	*05/26/22 18:10*	*1*

Lab Sample ID: LCS 880-26303/1-A
Matrix: Solid
Analysis Batch: 26372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09406		mg/Kg		94	70 - 130
Toluene	0.100	0.09866		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09290		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.2148		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-26303/2-A
Matrix: Solid
Analysis Batch: 26372

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26303

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09767		mg/Kg		98	70 - 130	4	35
Toluene	0.100	0.1054		mg/Kg		105	70 - 130	7	35
Ethylbenzene	0.100	0.09980		mg/Kg		100	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2313		mg/Kg		116	70 - 130	7	35
o-Xylene	0.100	0.1126		mg/Kg		113	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-15142-A-6-D MS
Matrix: Solid
Analysis Batch: 26372

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 26303

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.08746		mg/Kg		88	70 - 130
Toluene	<0.00201	U	0.0996	0.08625		mg/Kg		87	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-15142-A-6-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26372 — **Prep Batch: 26303**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0996	0.07685		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1755		mg/Kg		88	70 - 130
o-Xylene	<0.00201	U	0.0996	0.08635		mg/Kg		87	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-15142-A-6-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26372 — **Prep Batch: 26303**

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	0.07927		mg/Kg		79	70 - 130	10	35
Toluene	<0.00201	U	0.100	0.08758		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.08096		mg/Kg		80	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1883		mg/Kg		94	70 - 130	7	35
o-Xylene	<0.00201	U	0.100	0.09264		mg/Kg		92	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 880-26236/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26212 — **Prep Batch: 26236**

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		05/25/22 09:24	05/25/22 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/25/22 09:24	05/25/22 11:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/25/22 09:24	05/25/22 11:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/25/22 09:24*	*05/25/22 11:11*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/25/22 09:24*	*05/25/22 11:11*	*1*

Lab Sample ID: LCS 880-26236/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26212 — **Prep Batch: 26236**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	775.9		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	1000	846.3		mg/Kg		85	70 - 130

Eurofins Midland

QC Sample Results

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-26236/2-A
Matrix: Solid
Analysis Batch: 26212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26236

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: LCSD 880-26236/3-A
Matrix: Solid
Analysis Batch: 26212

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26236

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	710.6		mg/Kg		71	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	892.2		mg/Kg		89	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-15141-1 MS
Matrix: Solid
Analysis Batch: 26212

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 26236

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 F2	1000	807.6		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	163		1000	1001		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-15141-1 MSD
Matrix: Solid
Analysis Batch: 26212

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 26236

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 F2	999	1027	F2	mg/Kg		101	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	163		999	1153		mg/Kg		99	70 - 130	14	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	90		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26273/1-A
Matrix: Solid
Analysis Batch: 26435

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			05/27/22 21:48	1

Lab Sample ID: LCS 880-26273/2-A
Matrix: Solid
Analysis Batch: 26435

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.4		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-26273/3-A
Matrix: Solid
Analysis Batch: 26435

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	244.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-15141-1 MS
Matrix: Solid
Analysis Batch: 26435

Client Sample ID: CS-1 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	314	F1	248	533.6	F1	mg/Kg		89	90 - 110		

Lab Sample ID: 880-15141-1 MSD
Matrix: Solid
Analysis Batch: 26435

Client Sample ID: CS-1 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	314	F1	248	535.0	F1	mg/Kg		89	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 26303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15141-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-15141-2	CS-2 (1')	Total/NA	Solid	5035	
880-15141-3	SW-1	Total/NA	Solid	5035	
880-15141-4	SW-2	Total/NA	Solid	5035	
880-15141-5	SW-3	Total/NA	Solid	5035	
880-15141-6	SW-4	Total/NA	Solid	5035	
MB 880-26303/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26303/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26303/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15142-A-6-D MS	Matrix Spike	Total/NA	Solid	5035	
880-15142-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 26372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15141-1	CS-1 (1.5')	Total/NA	Solid	8021B	26303
880-15141-2	CS-2 (1')	Total/NA	Solid	8021B	26303
880-15141-3	SW-1	Total/NA	Solid	8021B	26303
880-15141-4	SW-2	Total/NA	Solid	8021B	26303
880-15141-5	SW-3	Total/NA	Solid	8021B	26303
880-15141-6	SW-4	Total/NA	Solid	8021B	26303
MB 880-26303/5-A	Method Blank	Total/NA	Solid	8021B	26303
LCS 880-26303/1-A	Lab Control Sample	Total/NA	Solid	8021B	26303
LCSD 880-26303/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26303
880-15142-A-6-D MS	Matrix Spike	Total/NA	Solid	8021B	26303
880-15142-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	26303

Analysis Batch: 26450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15141-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-15141-2	CS-2 (1')	Total/NA	Solid	Total BTEX	
880-15141-3	SW-1	Total/NA	Solid	Total BTEX	
880-15141-4	SW-2	Total/NA	Solid	Total BTEX	
880-15141-5	SW-3	Total/NA	Solid	Total BTEX	
880-15141-6	SW-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 26212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15141-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	26236
880-15141-2	CS-2 (1')	Total/NA	Solid	8015B NM	26236
880-15141-3	SW-1	Total/NA	Solid	8015B NM	26236
880-15141-4	SW-2	Total/NA	Solid	8015B NM	26236
880-15141-5	SW-3	Total/NA	Solid	8015B NM	26236
880-15141-6	SW-4	Total/NA	Solid	8015B NM	26236
MB 880-26236/1-A	Method Blank	Total/NA	Solid	8015B NM	26236
LCS 880-26236/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26236
LCSD 880-26236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26236
880-15141-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	26236
880-15141-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	26236

QC Association Summary

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 26236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15141-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-15141-2	CS-2 (1')	Total/NA	Solid	8015NM Prep	
880-15141-3	SW-1	Total/NA	Solid	8015NM Prep	
880-15141-4	SW-2	Total/NA	Solid	8015NM Prep	
880-15141-5	SW-3	Total/NA	Solid	8015NM Prep	
880-15141-6	SW-4	Total/NA	Solid	8015NM Prep	
MB 880-26236/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26236/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15141-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-15141-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15141-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-15141-2	CS-2 (1')	Total/NA	Solid	8015 NM	
880-15141-3	SW-1	Total/NA	Solid	8015 NM	
880-15141-4	SW-2	Total/NA	Solid	8015 NM	
880-15141-5	SW-3	Total/NA	Solid	8015 NM	
880-15141-6	SW-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 26273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15141-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-15141-2	CS-2 (1')	Soluble	Solid	DI Leach	
880-15141-3	SW-1	Soluble	Solid	DI Leach	
880-15141-4	SW-2	Soluble	Solid	DI Leach	
880-15141-5	SW-3	Soluble	Solid	DI Leach	
880-15141-6	SW-4	Soluble	Solid	DI Leach	
MB 880-26273/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26273/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26273/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15141-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-15141-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 26435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15141-1	CS-1 (1.5')	Soluble	Solid	300.0	26273
880-15141-2	CS-2 (1')	Soluble	Solid	300.0	26273
880-15141-3	SW-1	Soluble	Solid	300.0	26273
880-15141-4	SW-2	Soluble	Solid	300.0	26273
880-15141-5	SW-3	Soluble	Solid	300.0	26273
880-15141-6	SW-4	Soluble	Solid	300.0	26273
MB 880-26273/1-A	Method Blank	Soluble	Solid	300.0	26273
LCS 880-26273/2-A	Lab Control Sample	Soluble	Solid	300.0	26273
LCSD 880-26273/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26273
880-15141-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	26273
880-15141-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	26273

Lab Chronicle

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-15141-1
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/26/22 20:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26450	05/27/22 12:36	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26308	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26236	05/25/22 09:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 12:15	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26273	05/25/22 12:33	SC	XEN MID
Soluble	Analysis	300.0		1			26435	05/27/22 22:16	SC	XEN MID

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-15141-2
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

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	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/26/22 21:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26450	05/27/22 12:36	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26308	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26236	05/25/22 09:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 13:19	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26273	05/25/22 12:33	SC	XEN MID
Soluble	Analysis	300.0		1			26435	05/27/22 22:44	SC	XEN MID

Client Sample ID: SW-1

Lab Sample ID: 880-15141-3
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/26/22 21:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26450	05/27/22 12:36	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26308	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26236	05/25/22 09:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 13:41	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26273	05/25/22 12:33	SC	XEN MID
Soluble	Analysis	300.0		1			26435	05/27/22 22:53	SC	XEN MID

Client Sample ID: SW-2

Lab Sample ID: 880-15141-4
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/26/22 21:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26450	05/27/22 12:36	SM	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2

Lab Sample ID: 880-15141-4
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

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			26308	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26236	05/25/22 09:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 14:02	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26273	05/25/22 12:33	SC	XEN MID
Soluble	Analysis	300.0		1			26435	05/27/22 23:02	SC	XEN MID

Client Sample ID: SW-3

Lab Sample ID: 880-15141-5
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

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	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/26/22 23:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26450	05/27/22 12:36	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26308	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26236	05/25/22 09:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 14:25	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26273	05/25/22 12:33	SC	XEN MID
Soluble	Analysis	300.0		1			26435	05/27/22 23:11	SC	XEN MID

Client Sample ID: SW-4

Lab Sample ID: 880-15141-6
Matrix: Solid
Date Collected: 05/24/22 00:00
Date Received: 05/24/22 17:05

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	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/26/22 23:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26450	05/27/22 12:36	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26308	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26236	05/25/22 09:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 14:46	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26273	05/25/22 12:33	SC	XEN MID
Soluble	Analysis	300.0		1			26435	05/27/22 23:39	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: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

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: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

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: Spica 25 Fed 1 (Spill #3)

Job ID: 880-15141-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15141-1	CS-1 (1.5')	Solid	05/24/22 00:00	05/24/22 17:05
880-15141-2	CS-2 (1')	Solid	05/24/22 00:00	05/24/22 17:05
880-15141-3	SW-1	Solid	05/24/22 00:00	05/24/22 17:05
880-15141-4	SW-2	Solid	05/24/22 00:00	05/24/22 17:05
880-15141-5	SW-3	Solid	05/24/22 00:00	05/24/22 17:05
880-15141-6	SW-4	Solid	05/24/22 00:00	05/24/22 17:05

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 15141

5/31/2022

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 ☐ uperfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Spica 25 Fed 1 (Spill #3)	Turn Around	☑ Routine ☐ Rush
Project Number	225486	Due Date	
Project Location	Eddy County, New Mexico	TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name:	Nick Hart		
PO #:	21015881		

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID.	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-2
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	1.2
Total Containers:	10	Corrected Temperature:	1.0

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2S0_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 300 0	HOLD	Sample Comments
CS-1 (1 5')	5/24/2022		x		Comp	1		x	x	x		
CS-2 (1')	5/24/2022		x		Comp	1		x	x	x		
SW-1	5/24/2022		x		Comp	1		x	x	x		
SW-2	5/24/2022		x		Comp	1		x	x	x		
SW-3	5/24/2022		x		Comp	1		x	x	x		
SW-4	5/24/2022		x		Comp	1		x	x	x		

880-15141 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		5/24/22 17:05	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-15141-1
SDG Number: Eddy County, New Mexico

Login Number: 15141
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

CARDINAL Laboratories

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

July 07, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SPICA 25 FED 1

Enclosed are the results of analyses for samples received by the laboratory on 07/01/22 14:07.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SPICA 25 FED 1 Project Number: 225486 (SPILL 3) Project Manager: ETHAN SESSUMS Fax To:	Reported: 07-Jul-22 08:54

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 5	H222843-01	Soil	01-Jul-22 00:00	01-Jul-22 14:07
SW - 6	H222843-02	Soil	01-Jul-22 00:00	01-Jul-22 14:07
CS - 1 (2.5' BGS)	H222843-03	Soil	01-Jul-22 00:00	01-Jul-22 14:07

07/07/22 - Client changed the sample ID for -03 (See COC). This is the revised report and will replace the one sent on 07/05/22.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SPICA 25 FED 1 Project Number: 225486 (SPILL 3) Project Manager: ETHAN SESSUMS Fax To:	Reported: 07-Jul-22 08:54

SW - 5

H222843-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2070514	AC	05-Jul-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2070201*	JH/	*05-Jul-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2070501	MS	06-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070501	MS	06-Jul-22	8015B	
EXT DRO >C28-C36	**13.2**		10.0	mg/kg	1	2070501	MS	06-Jul-22	8015B	
Surrogate: 1-Chlorooctane			*64.1 %*	*43-149*		*2070501*	MS	*06-Jul-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*67.8 %*	*42.5-161*		*2070501*	MS	*06-Jul-22*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SPICA 25 FED 1 Project Number: 225486 (SPILL 3) Project Manager: ETHAN SESSUMS Fax To:	Reported: 07-Jul-22 08:54

SW - 6

H222843-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	2070514	AC	05-Jul-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2070201*	JH/	*05-Jul-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2070501	MS	05-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070501	MS	05-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070501	MS	05-Jul-22	8015B	
Surrogate: 1-Chlorooctane			*67.6 %*	*43-149*		*2070501*	MS	*05-Jul-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*71.4 %*	*42.5-161*		*2070501*	MS	*05-Jul-22*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SPICA 25 FED 1 Project Number: 225486 (SPILL 3) Project Manager: ETHAN SESSUMS Fax To:	Reported: 07-Jul-22 08:54

CS - 1 (2.5' BGS)

H222843-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	2070514	AC	05-Jul-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2070201	JH/	05-Jul-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2070201*	JH/	*05-Jul-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2070501	MS	05-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070501	MS	05-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070501	MS	05-Jul-22	8015B	
Surrogate: 1-Chlorooctane			*69.3 %*	*43-149*		*2070501*	MS	*05-Jul-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*75.4 %*	*42.5-161*		*2070501*	MS	*05-Jul-22*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SPICA 25 FED 1 Project Number: 225486 (SPILL 3) Project Manager: ETHAN SESSUMS Fax To:	Reported: 07-Jul-22 08:54

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2070514 - 1:4 DI Water										
Blank (2070514-BLK1)				Prepared & Analyzed: 05-Jul-22						
Chloride	ND	16.0	mg/kg							
LCS (2070514-BS1)				Prepared & Analyzed: 05-Jul-22						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2070514-BSD1)				Prepared & Analyzed: 05-Jul-22						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SPICA 25 FED 1 Project Number: 225486 (SPILL 3) Project Manager: ETHAN SESSUMS Fax To:	Reported: 07-Jul-22 08:54

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2070201 - Volatiles										
Blank (2070201-BLK1)				Prepared: 02-Jul-22 Analyzed: 05-Jul-22						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0511*		mg/kg	*0.0500*		*102*	*69.9-140*			
LCS (2070201-BS1)				Prepared: 02-Jul-22 Analyzed: 05-Jul-22						
Benzene	2.04	0.050	mg/kg	2.00		102	83.4-122			
Toluene	2.00	0.050	mg/kg	2.00		99.9	84.2-126			
Ethylbenzene	2.00	0.050	mg/kg	2.00		99.8	84.2-121			
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	89.9-126			
o-Xylene	1.99	0.050	mg/kg	2.00		99.3	84.3-123			
Total Xylenes	6.12	0.150	mg/kg	6.00		102	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0496*		mg/kg	*0.0500*		*99.2*	*69.9-140*			
LCS Dup (2070201-BSD1)				Prepared: 02-Jul-22 Analyzed: 05-Jul-22						
Benzene	2.18	0.050	mg/kg	2.00		109	83.4-122	6.63	12.6	
Toluene	2.15	0.050	mg/kg	2.00		108	84.2-126	7.38	13.3	
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	84.2-121	6.83	13.9	
m,p-Xylene	4.41	0.100	mg/kg	4.00		110	89.9-126	6.43	13.6	
o-Xylene	2.12	0.050	mg/kg	2.00		106	84.3-123	6.41	14.1	
Total Xylenes	6.52	0.150	mg/kg	6.00		109	89.1-124	6.42	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0495*		mg/kg	*0.0500*		*99.1*	*69.9-140*			

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*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SPICA 25 FED 1 Project Number: 225486 (SPILL 3) Project Manager: ETHAN SESSUMS Fax To:	Reported: 07-Jul-22 08:54

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2070501 - General Prep - Organics										
Blank (2070501-BLK1)				Prepared & Analyzed: 05-Jul-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*35.1*		mg/kg	*50.0*		*70.1*	*43-149*			
Surrogate: 1-Chlorooctadecane	*37.0*		mg/kg	*50.0*		*73.9*	*42.5-161*			
LCS (2070501-BS1)				Prepared & Analyzed: 05-Jul-22						
GRO C6-C10	179	10.0	mg/kg	200		89.7	78.5-128			
DRO >C10-C28	189	10.0	mg/kg	200		94.4	75.8-135			
Total TPH C6-C28	368	10.0	mg/kg	400		92.1	81.5-127			
Surrogate: 1-Chlorooctane	*41.4*		mg/kg	*50.0*		*82.8*	*43-149*			
Surrogate: 1-Chlorooctadecane	*41.7*		mg/kg	*50.0*		*83.5*	*42.5-161*			
LCS Dup (2070501-BSD1)				Prepared & Analyzed: 05-Jul-22						
GRO C6-C10	185	10.0	mg/kg	200		92.3	78.5-128	2.80	21.4	
DRO >C10-C28	190	10.0	mg/kg	200		95.2	75.8-135	0.816	17.9	
Total TPH C6-C28	375	10.0	mg/kg	400		93.7	81.5-127	1.79	17.6	
Surrogate: 1-Chlorooctane	*43.9*		mg/kg	*50.0*		*87.8*	*43-149*			
Surrogate: 1-Chlorooctadecane	*46.3*		mg/kg	*50.0*		*92.6*	*42.5-161*			

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H222843-1-3

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	701 Tradewinds BLVD	Address:	6488 Seven Rivers Highway
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Artesia, NM 88210
Phone:		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:	Spica 25 Fed 1 (spill 3)	Turn Around	
Project Number:	225486	☐ Routine ☑ Rush	
Project Location	Eddy Co	Due Date:	
Sampler's Name:	Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	113	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.5°c	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	6.8°c	
Total Containers:		Corrected Temperature:	6.3°c	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD
SW-5	7/1/2022		X		Comp			X	X	X	
SW-6	7/1/2022		X		Comp			X	X	X	
* ~~CS-3 (0-1')~~ CS-1 (2.5' bgs)	7/1/2022		X		Comp			X	X	X	

Parameters

ANALYSIS REQUEST

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_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 Comments

Additoinal Comments: * Ethan changed sample ID. clc 7/6/22

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Jordan Tyner	Rodriguez	7-1-22 1407	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

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 155134

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 155134
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2011329998 SPICA 25 FED BATTERY, thank you. This closure is approved.	1/5/2023