

CDU 237 battery

9/4/2022

NMED OCD incident number NAPP2225136402

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>175</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>7.292</u>
Barrels of Soil Impacted	<u>1.30</u>
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	<u>0.26</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.26
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>175</u>	<u>0.250</u>
Standing fluid	<u>0.650</u>
<u>Total fluids spilled</u>	<u>0.910</u>



209 W. McKay Street
Carlsbad, New Mexico 88220
Tel. 432-701-2159
www.ntgenvironmental.com

December 6, 2023

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

**Re: Closure Report
Cotton Draw Unit 237H Battery
Unit M, S10, T25S, R32E
Site Coordinates: 32.138294, -103.668574
Lea County, New Mexico
Incident ID: nAPP2225136402**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this closure report to document site assessment, remedial action, and sampling activities at the Cotton Draw Unit 237H Battery (Site) for submittal to the New Mexico Oil Conservation Division (NMOCD) District 2 Office in Artesia, New Mexico. The Site is located in Unit M, Section 10, Township 25 South of Range 32 East in Lea County, New Mexico. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

Background

Based on the initial C-141 obtained from the NMOCD, the release was discovered on September 4th, 2022, the result of an equipment failure in a transfer line. Approximately five (5) barrels (bbls) of produced water was released of which five (5) bbls were recovered for an approximate net loss of zero (0) bbls of produced water and was contained to the pad. Upon discovery, equipment was shut-in and repaired, and area was secured. The release area is shown on Figure 3. The initial assessment and closure C-141 form is attached.

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one (1) well located within a ½-mile radius of the site. The well (C-4634-POD1) is located approximately 1,000 feet west to northwest of the release and was drilled to a reported depth of 55 feet below ground surface (ft bgs) with no groundwater encountered. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are provided in this report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the

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New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low Karst	>55

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+DRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release (>4 Feet)	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Site Assessment

On September 7th, 2023, NTGE conducted site assessment activities to assess the extent of impacts at the Site. A total of five (5) vertical sample points (V-1 through V-5) and eight (8) horizontal sample points (H-1 through H-8) were installed within the release area in order to characterize the impact. Soil samples were collected in 0.5 ft and 1 ft intervals from depths ranging from 0.5 ft to a maximum of 5.5 ft bgs with a geotechnical hand auger. The samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8260B, total petroleum hydrocarbon (TPH) by method 8015B Modified, and chloride by EPA 4500 Cl-B by Envirotech Laboratories in Farmington, New Mexico. The analytical results indicated the site was delineated and that chloride concentrations exceeded the NMOCD regulatory limits in the areas of V-2 and V-4 at a depth of 0-0.5 ft bgs. Analytical results are included in Table 1, while sampling locations are shown in Figure 3A and Figure 3B.

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 1 ft bgs in the areas of V-1 through V-6 to fully remove all impacted soils from the location.

On October 24th, 2023, a total of sixteen (16) composite confirmation samples were collected from the excavation base (CS-1 through CS-16) and eight (8) composite confirmation samples were collected from the excavation sidewalls (SW-1 through SW-8) to ensure impacted soil was removed.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. Soil samples were 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.

The confirmation samples were collected every 200 square feet and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Following receipt of the analytical results, analytical results indicated that multiple composite confirmation excavation

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base and side wall samples (CS-1 through CS-4, CS-7 through CS-9, CS-12, CS-15, CS-16, SW-1 through SW-4) were above NMOCD regulatory criterion for chloride and/or TPH concentrations.

Devon continued the excavation both horizontally and vertically based on the laboratory results of confirmation samples to ensure all impacted soils are removed. On November 2nd, 2023, NTGE collected additional confirmation samples from the excavation base at 2 ft bgs and from the excavation sidewalls. The confirmation samples were collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Analytical results indicated that all confirmation samples collected were below NMOCD regulatory criterion for the Site. After further excavation, NTGE was on site November 14, 2023, to collect four (4) confirmation samples (CS-17 through CS-20) and four (4) confirmation sidewall samples (SW-13 to SW-16) and submit to lab for analysis of BTEX, TPH, and Chlorides. Analytical results showed concentrations for all analytes were below NMOCD regulatory criterion for the Site.

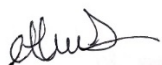
The final excavation extent and confirmation sample locations are shown on Figure 4A and Figure 4B. Analytical results of all confirmation samples are included in Table 2 with laboratory reports attached.

Closure Request

Based on the assessment and subsequent remedial action activities, the Site is compliant with the regulatory limits and no further actions are required at the site. A copy of the final C- 141 is attached and Devon formally requests a no further action designation for the Site.

If you have any questions regarding this report or need additional information, please contact us at 432-701- 2159.

Sincerely,
NTG Environmental



Ethan Sessums
Project Manager



Dmitry Nikanorov
Project Scientist

Attachments:

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

Kenny Han

From: Kellan Smith
Sent: Thursday, October 26, 2023 11:22 AM
To: Enviro, OCD, EMNRD
Cc: NTG Env Carlsbad
Subject: Sampling Notification - nAPP2225136402

NTGE, on behalf of Devon Energy Production Company (DEVON), will be conducting confirmation sampling at the Cotton Draw Unit #237H Battery (nAPP2225136402) the entire week of October 30th, 2023, through November 3rd, 2023, starting at 9 a.m. MDT Monday morning and ending at the close of business Friday afternoon.

Incident ID: nAPP2225136402

Thank you!

Kellan Smith

Project Scientist | **NTG Environmental – Carlsbad, NM**

W: 832.374.0004 | M: 580.682.1889 | ksmith@ntglobal.com | www.ntgenvironmental.com

Kenny Han

From: Ethan Sessums
Sent: Thursday, October 19, 2023 12:57 PM
To: Enviro, OCD, EMNRD
Cc: NTG Env Carlsbad
Subject: Sampling Notification

NTGE on behalf of DEVON will be conducting confirmation sampling the entire week of the 23rd starting at 2 p.m. MDT and ending close of business Friday the 27th.

nAPP2225136402	Cotton Draw Unit #237H	9/4/2022
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Ethan Sessums
Project Manager
NTG Environmental New Mexico
209 W McKay St, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
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Kenny Han

From: Kellan Smith
Sent: Wednesday, November 8, 2023 9:23 AM
To: Enviro, OCD, EMNRD
Cc: NTG Env Carlsbad
Subject: Sampling Notification - nAPP2225136402

NTGE, on behalf of Devon Energy Production Company (DEVON), will be conducting confirmation sampling at the Cotton Draw Unit #237H Battery (nAPP2225136402) the entire week of November 13th, 2023, through November 17th, 2023, starting at 9 a.m. MDT Monday morning and ending at the close of business Friday afternoon.

Incident ID: nAPP2225136402

Thank you!

Kellan Smith

Project Scientist | **NTG Environmental - Carlsbad, NM**

W: 832.374.0004 | M: 580.682.1889 | ksmith@ntglobal.com | www.ntgenvironmental.com

Kenny Han

From: Kellan Smith
Sent: Monday, November 13, 2023 1:57 PM
To: Enviro, OCD, EMNRD
Cc: NTG Env Carlsbad
Subject: Sampling Notification - nAPP2225136402

NTGE, on behalf of Devon Energy Production Company (DEVON), will be conducting confirmation sampling at the Cotton Draw Unit #237H Battery (nAPP2225136402) the entire week of November 15th, 2023, through November 17th, 2023, starting at 9 a.m. MDT Wednesday morning and ending at the close of business Friday afternoon.

Incident ID: nAPP2225136402

Thank you!

Kellan Smith

Project Scientist | **NTG Environmental – Carlsbad, NM**

W: 832.374.0004 | M: 580.682.1889 | ksmith@ntglobal.com | 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	
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)

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> 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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Kendra Ruiz</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>09/14/2022</u>

NAPP2225136402

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>1016</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>42.333</u>
Barrels of Soil Impacted	<u>7.55</u>
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	<u>1.51</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	1.51
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>1016</u>	<u>0.250</u>
Standing fluid	<u>3.773</u>
<u>Total fluids spilled</u>	<u>5.282</u>

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

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

CONDITIONS

Action 143316

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 143316
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	9/14/2022

Incident ID	NAPP2225136402
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

State of New Mexico
Oil Conservation Division

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

Printed Name: ___Dale Woodall___ Title: ___Env. Professional___

Signature: Dale Woodall Date: ___12/04/23___

email: ___dale.woodall@dv.com___ Telephone: ___575-748-1838___

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2225136402
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Facility ID	
Application ID	

Remediation Plan

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

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	NAPP2225136402
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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: _____ 12/04/23 _____

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

NMOCD Closure Criteria

Cotton Draw Unit #237H

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater (ft bgs)	>55	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	N/A	Office of the State Engineer (OSE)
Horizontal Distance to Nearest Significant Watercourse (ft)	N/A	United States Geological Survey (USGS)

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

* - numerical limit or background, whichever is greater

OSE POD Locations Map



8/11/2023, 9:19:41 AM

GIS WATERS PODs

● Active

OSE District Boundary

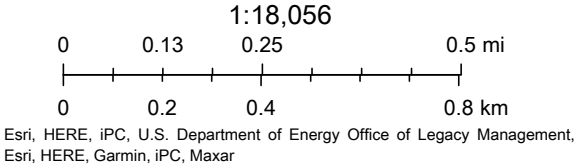
Water Right Regulations

Closure Area

New Mexico State Trust Lands

Both Estates

SiteBoundaries





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4634			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 8	SECONDS 17.23 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	40	4.33 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SW SW Sec.10 T25S R32S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/7/2022		DRILLING ENDED 6/7/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	
					DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DATE STATIC MEASURED 6/13/2022							
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

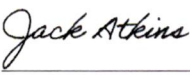
WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	C-4634	POD NO.	POD 1	TRN NO.	726471
LOCATION	T25S 32E 10 4-3-3			WELL TAG ID NO.	N/A

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, Fine-grained, poorly graded, 2.5 YR 3/6, Dark Red	Y ✓ N	
	4	14	10	Caliche, with Fine-grained sand, 7.5 YR 7/4, Pink	Y ✓ N	
	14	55	41	Sand, Fine-grained, poorly graded, with Caliche, 7.5 YR 7/6, Reddish Yellow	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 32 CDU 237	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	Jackie D. Atkins	6/16/2022
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4634	POD NO. POD1	TRN NO. 726471
LOCATION 255 322 10 4-3-3	WELL TAG ID NO. N/A	PAGE 2 OF 2

OCD Well Locations



12/4/2023, 2:03:14 PM

OSE Water PODs

• Active

Wells - Large Scale

• Injection, Plugged

• Oil, Active

• Oil, New

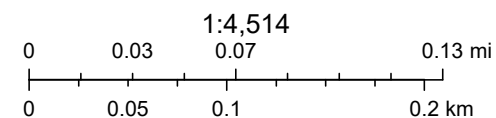
• Oil, Plugged

Karst Occurrence Potential

Low

PLSS Second Division

PLSS First Division



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

New Mexico Oil Conservation Division

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

Cotton Draw Unit #237H

Significant Watercourse

Legend

- 0.5 Mile Radius
- 300 Foot Radius
- Cotton Draw Unit #237H

T25S R32E

9

10

Cotton Draw Unit #237H

Cotton Draw Rd

16

15





Cotton Draw 237



August 11, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

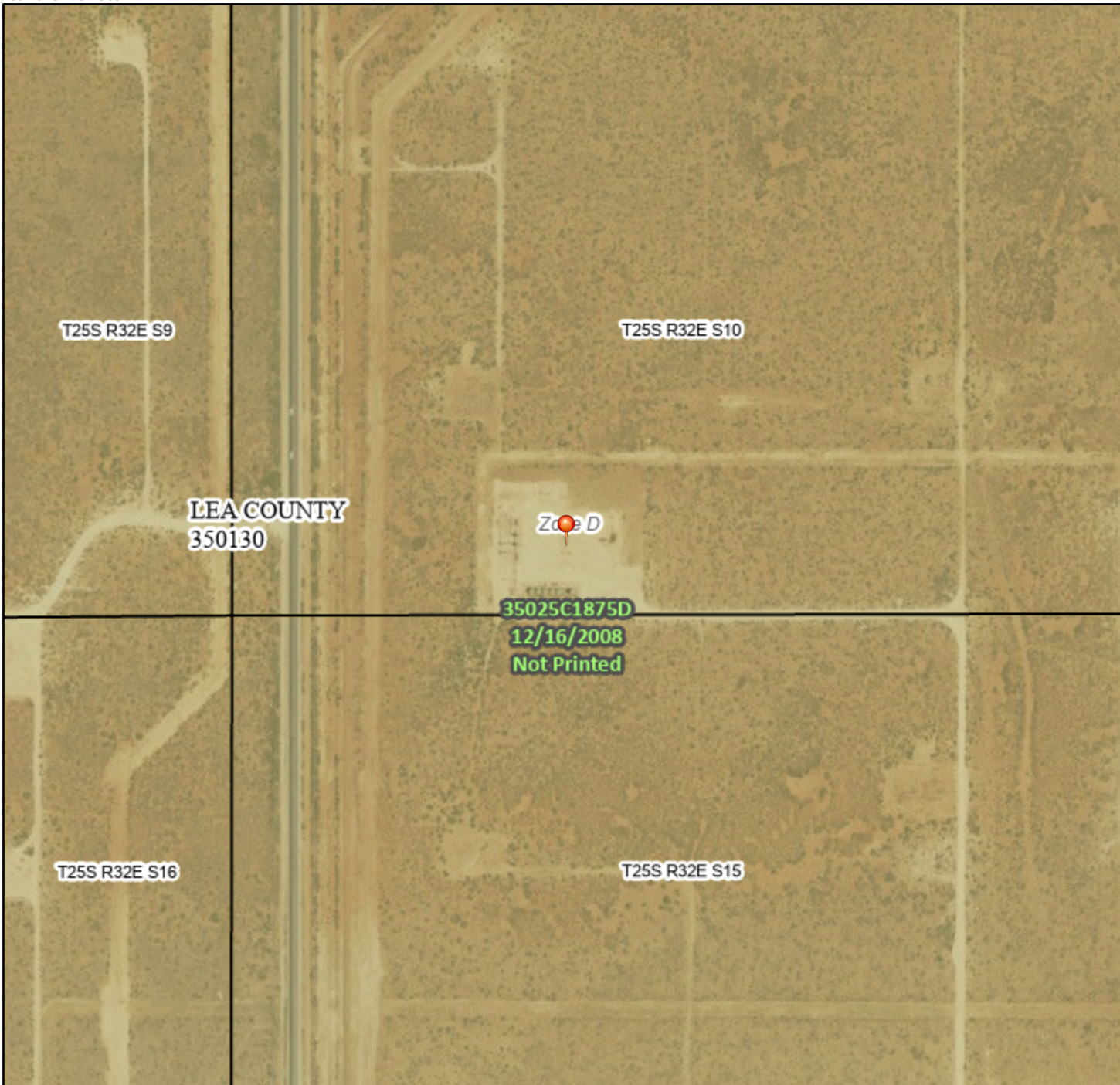
- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMMette



103°40'25"W 32°8'33"N



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

1:6,000

103°39'47"W 32°8'3"N

Released to Imaging: 3/26/2024 10:38:53 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/11/2023 at 10:26 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



National Water Information System: Mapper



Site Information

TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Cotton Draw Unit 237H
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		10,000 mg/kg
Vertical Delineation Samples														
V-1	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	891	
	09/07/23	(1-1.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	956	
	09/07/23	(2-2.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	300	
	09/07/23	(3-3.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	135	
	09/07/23	(4-4.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	188	
V-2	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	15,700	
	09/07/23	(1-1.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	3,330	
	09/07/23	(2-2.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,160	
	09/07/23	(3-3.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	8,470	
	09/07/23	(4-4.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	7,540	
V-3	09/07/23	(5-5.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	8,440	
	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	4,020	
	09/07/23	(1-1.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,070	
	09/07/23	(2-2.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,380	
	09/07/23	(3-3.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	8,550	
V-4	09/07/23	(4-4.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	6,610	
	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	718	718	448	1,166	24,200	
	09/07/23	(1-1.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	3,470	
	09/07/23	(2-2.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	4,610	
	09/07/23	(3-3.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	3,410	
V-5	09/07/23	(4-4.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	3,220	
	09/07/23	(5-5.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	6,510	
	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	5,300	
	09/07/23	(1-1.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,230	
	09/07/23	(2-2.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	257	
V-5	09/07/23	(3-3.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	469	
	09/07/23	(4-4.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,060	
	09/07/23	(5-5.5')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,910	
	Horizontal Delineation Samples													
H-1	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
H-2	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
H-3	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
H-4	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
H-5	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	202	
H-6	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
H-7	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	75.8	
H-8	09/07/23	(0-6")	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	81.2	

Notes:

1. Values reported in mg/kg

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

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

SP-1 Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Cotton Draw Unit 237H Battery
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC													
10 mg/kg	---	---	---	50 mg/kg	---	1000 mg/kg	---	2500 mg/kg	10000 mg/kg				
Confirmation Base Samples													
CS-1	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8600
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS-2	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3360
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-3	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3040
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-4	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2000
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-5	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS-6	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS-7	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1960
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-8	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1760
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-9	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1390
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-10	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-11	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-12	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-13	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-14	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-15	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2880
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-16	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-17	11/14/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-18	11/14/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-19	11/14/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-20	11/14/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
Confirmation Sidewall Samples													
SW-1	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6480
SW-1A	11/2/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4120
SW-1B	11/14/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-2	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2240
SW-2A	11/2/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1060
SW-2B	11/14/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-3	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1390
SW-3A	11/2/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-4	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3560
SW-4A	11/2/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-5	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
SW-6	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-7	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Cotton Draw Unit 237H Battery
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C-10)	DRO (C10- C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg	10000 mg/kg
SW-8	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-9	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-10	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SW-11	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-12	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-13	11/14/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-14	11/14/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-15	11/14/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-16	11/14/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

1. Values reported in mg/kg

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

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

SP-1

Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

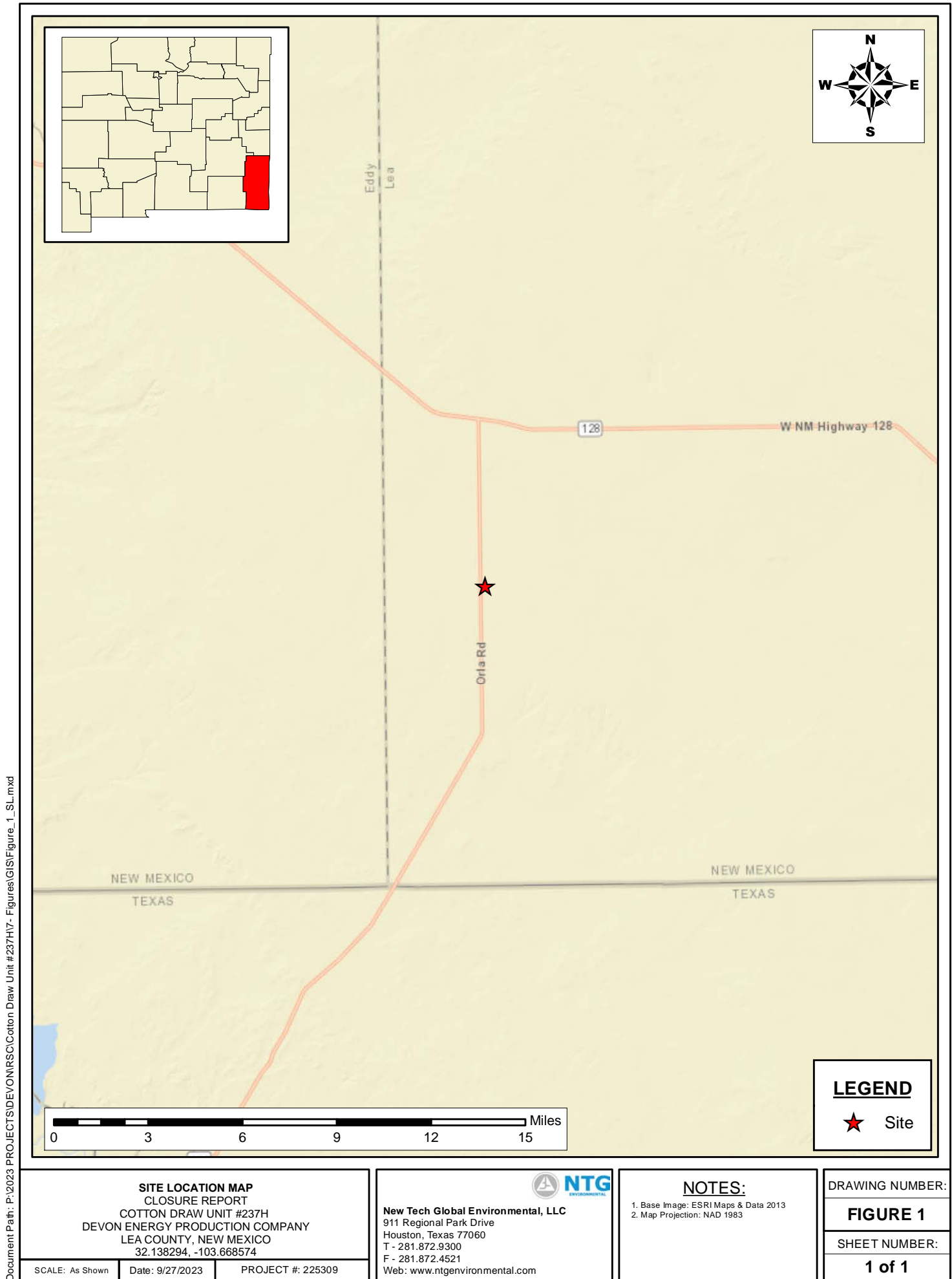
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

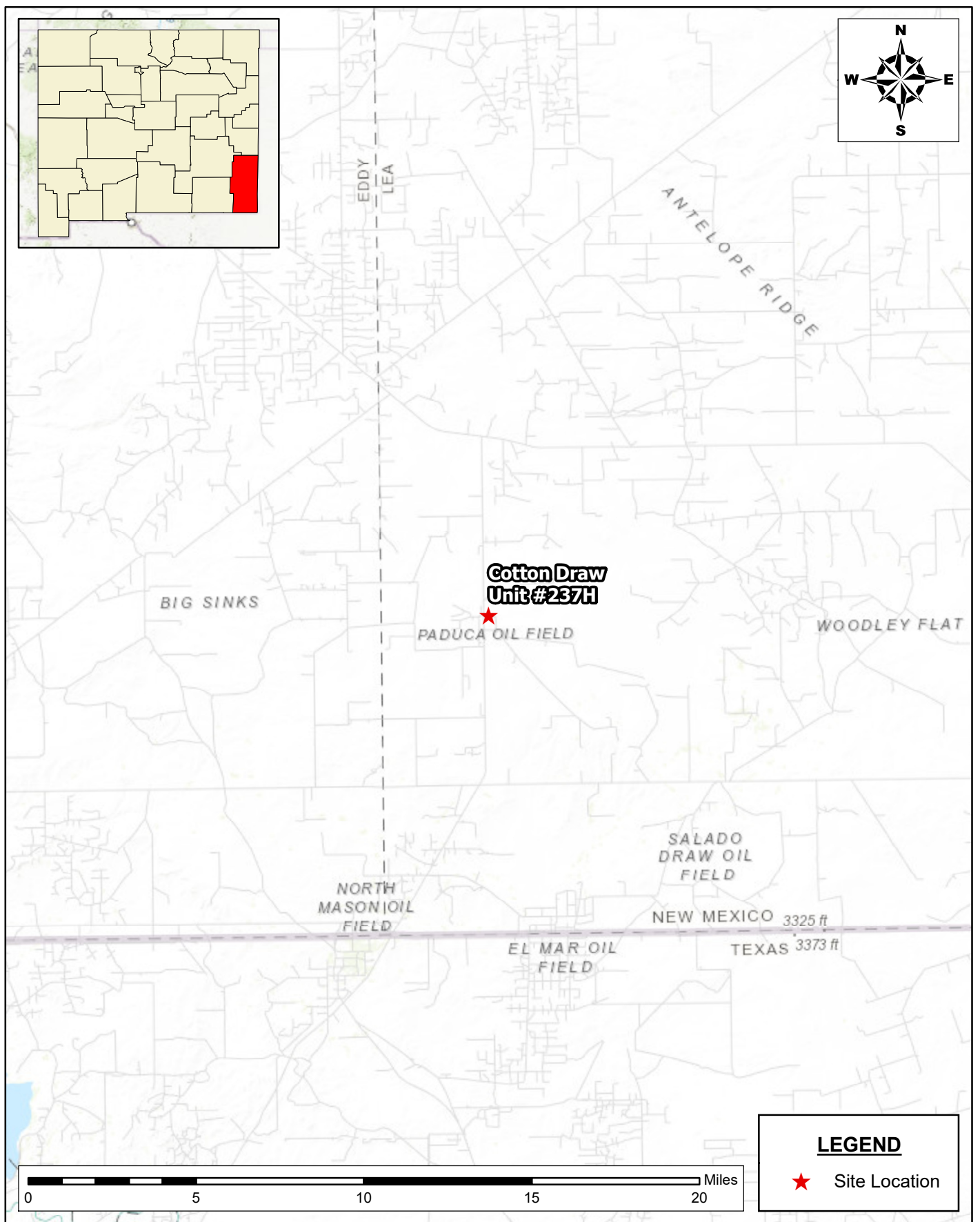
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

FIGURES



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LEGEND

★ Site Location

TOPOGRAPHIC MAP
 SITE CLOSURE REPORT
 DEVON ENERGY PRODUCTION COMPANY
 COTTON DRAW UNIT 237H BATTERY
 LEA COUNTY, NEW MEXICO
 32.138294, -103.668574

SCALE: As Shown Date: 12/4/2023 PROJECT #: 225309

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



NOTES:

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

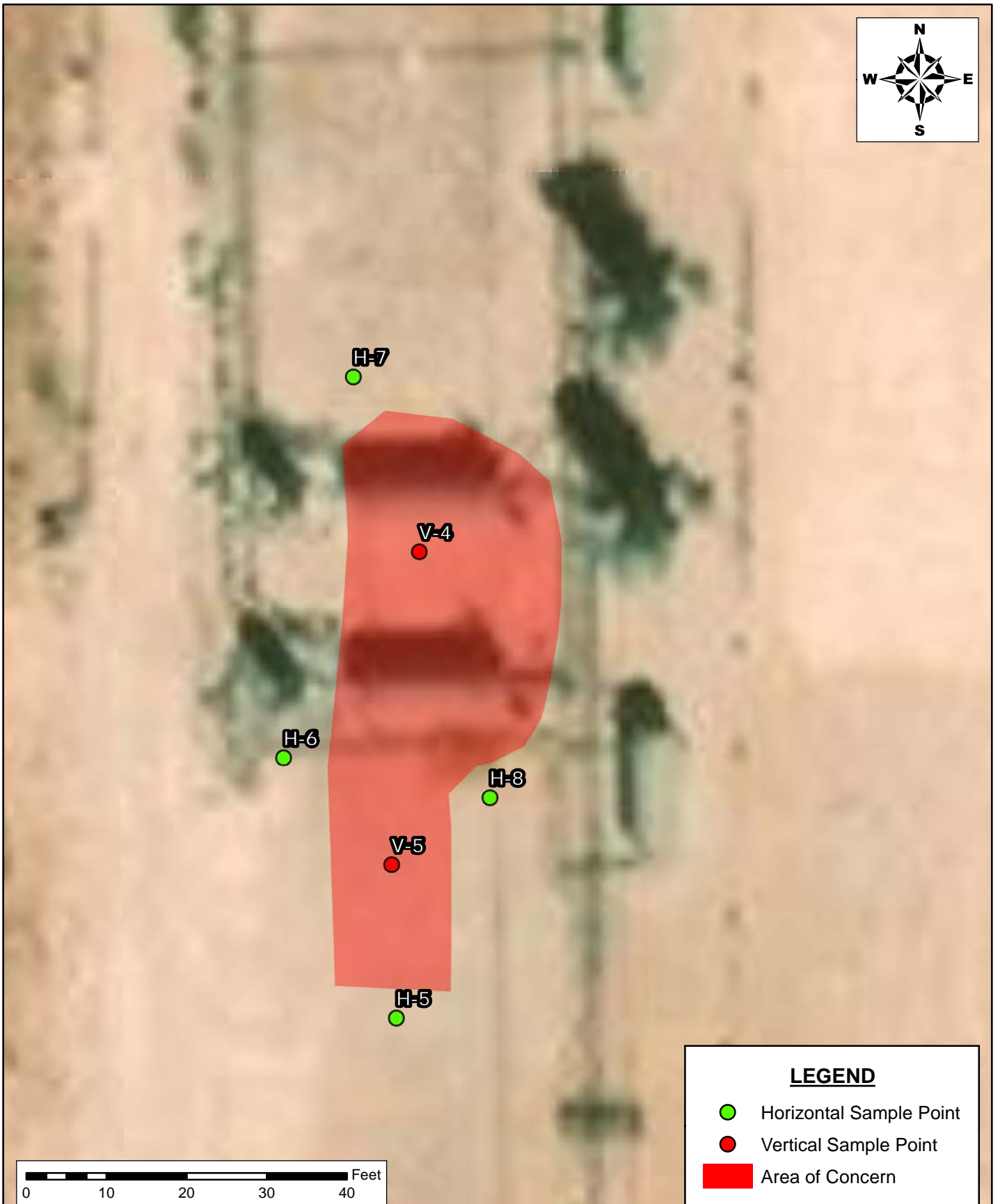
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FIGURE 2

SHEET NUMBER:

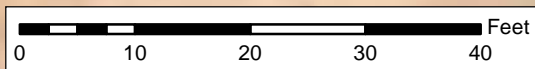
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LEGEND

- Horizontal Sample Point
- Vertical Sample Point
- Area of Concern



INITIAL ASSESSMENT MAP
 CLOSURE REPORT
 COTTON DRAW UNIT #237H
 DEVON ENERGY PRODUCTION COMPANY
 LEA COUNTY, NEW MEXICO
 32.138294, -103.668574

SCALE: As Shown Date: 11/16/2023 PROJECT #: 225309



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

NOTES:

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

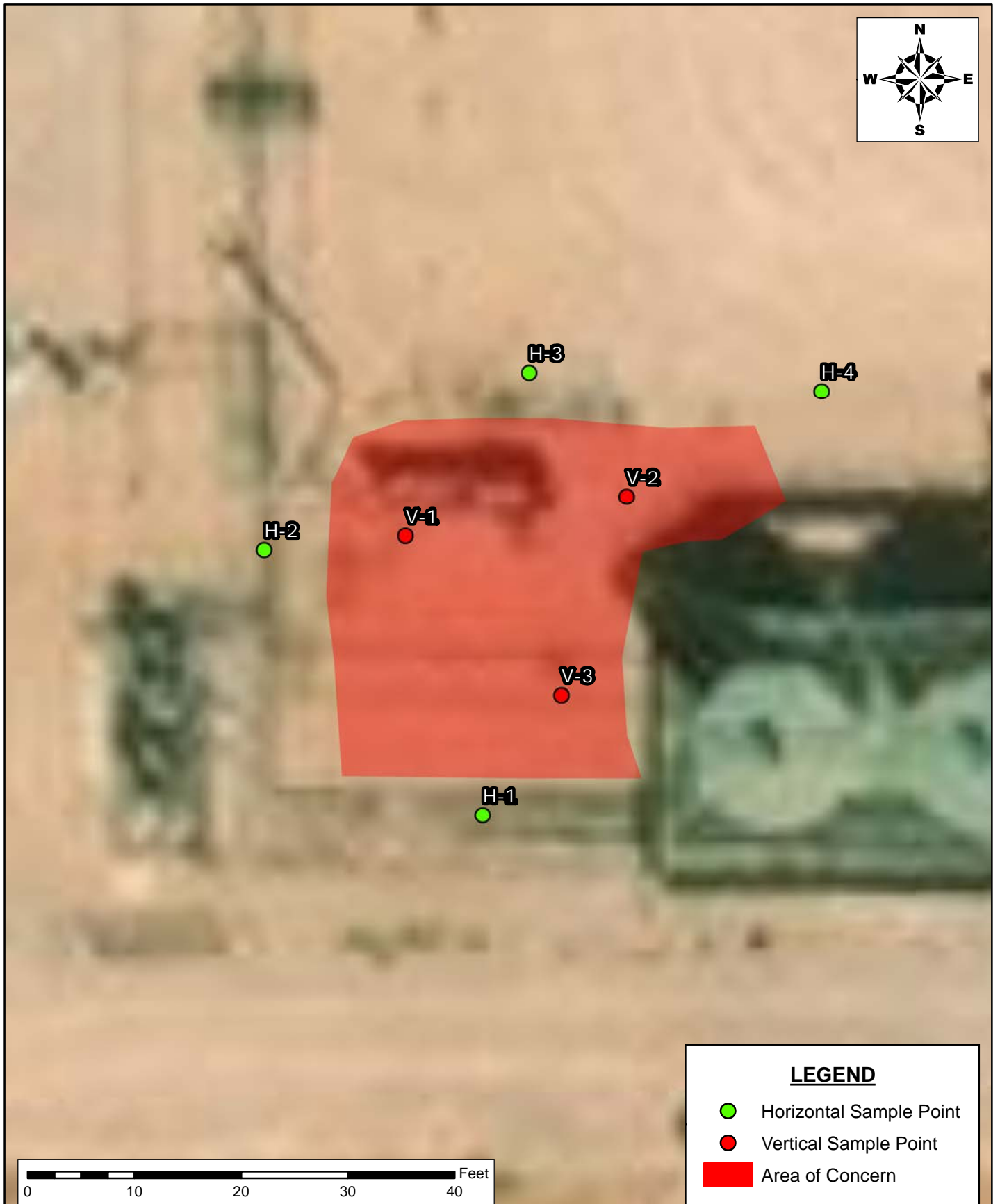
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FIGURE 3A

SHEET NUMBER:

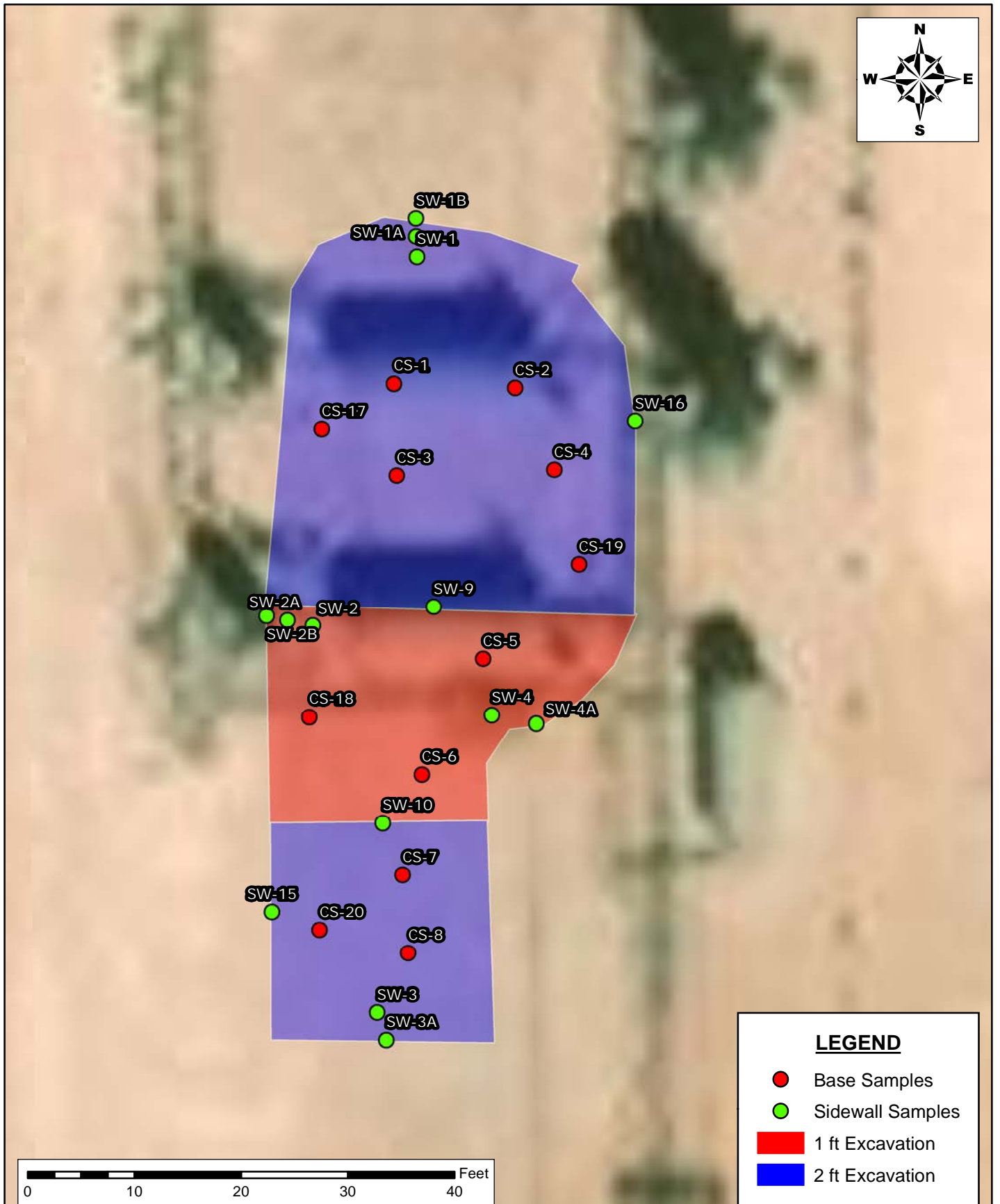
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<div>INITIAL ASSESSMENT MAP CLOSURE REPORT COTTON DRAW UNIT #237H DEVON ENERGY PRODUCTION COMPANY LEA COUNTY, NEW MEXICO 32.138294, -103.668574</div>			<div> New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenviromental.com</div>	<div>NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983</div>	DRAWING NUMBER:
SCALE: As Shown	Date: 11/16/2023	PROJECT #: 225309			FIGURE 3B
					SHEET NUMBER:
					1 of 1

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CONFIRMATION SAMPLING MAP
 CLOSURE REPORT
 COTTON DRAW UNIT #237H
 DEVON ENERGY PRODUCTION COMPANY
 LEA COUNTY, NEW MEXICO
 32.138294, -103.668574

SCALE: As Shown

Date: 11/16/2023

PROJECT #: 225309



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

NOTES:

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

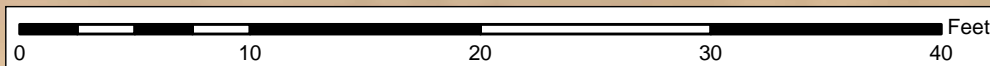
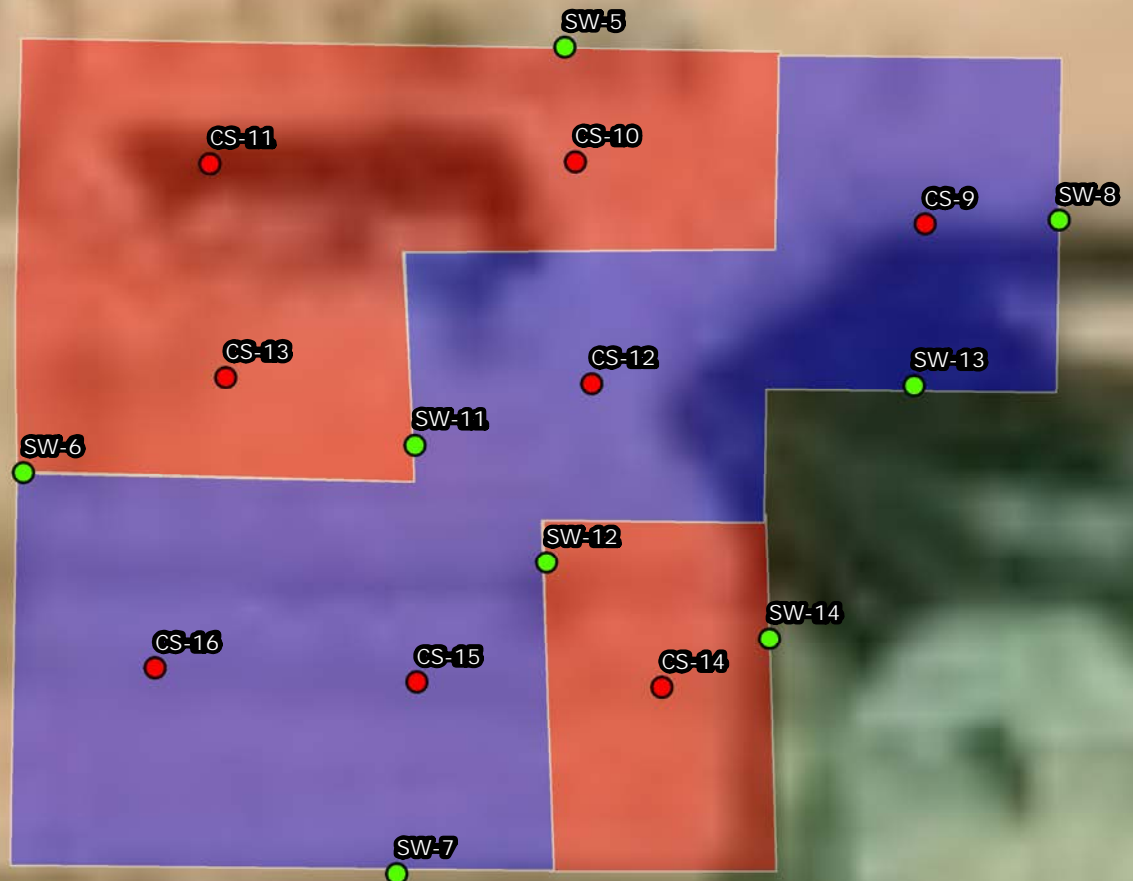
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FIGURE 4A

SHEET NUMBER:

1 of 1

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LEGEND

- Base Samples
- Sidewall Samples
- 1 ft Excavation
- 2 ft Excavation

CONFIRMATION SAMPLING MAP
 CLOSURE REPORT
 COTTON DRAW UNIT #237H
 DEVON ENERGY PRODUCTION COMPANY
 LEA COUNTY, NEW MEXICO
 32.138294, -103.668574

SCALE: As Shown

Date: 11/16/2023

PROJECT #: 225309



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 Web: www.ntgenviroinmental.com

NOTES:

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

DRAWING NUMBER:

FIGURE 4B

SHEET NUMBER:

1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 1

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Area of Concern

**Photograph No. 2**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Area of Concern

**Photograph No. 3**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Area of Concern



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Area of Concern

**Photograph No. 5**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Area of Concern

**Photograph No. 6**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Area of Concern



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 7

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 10/24/23

**Photograph No. 8**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 10/24/23

**Photograph No. 9**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 10/24/23



PHOTOGRAPHIC LOG

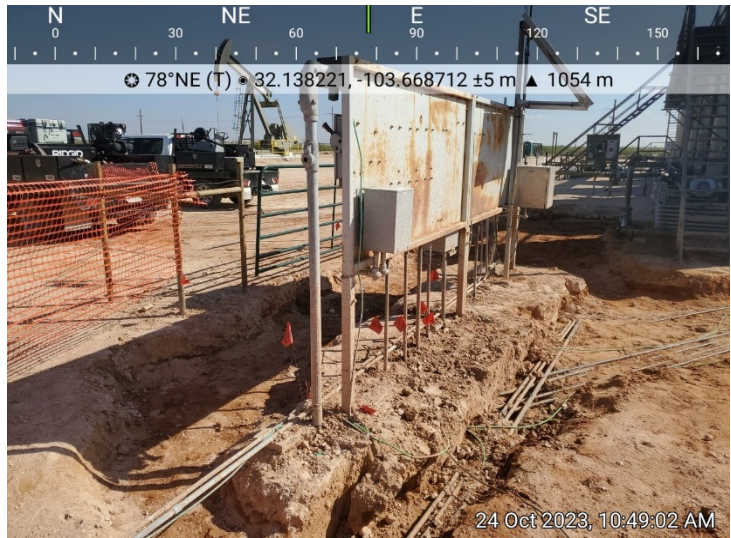
Devon Energy Production Company

Photograph No. 10

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 10/24/23

**Photograph No. 11**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 10/24/23

**Photograph No. 12**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 10/24/23



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 13

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

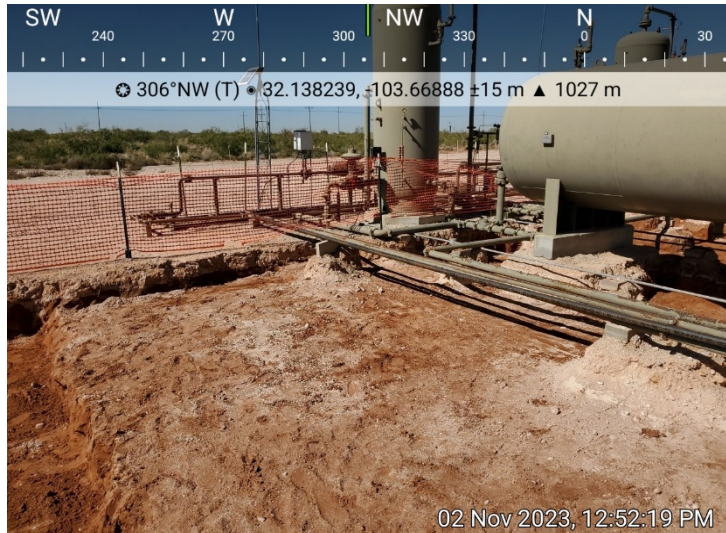
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Confirmation Sampling Event - 11/02/23

**Photograph No. 14**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

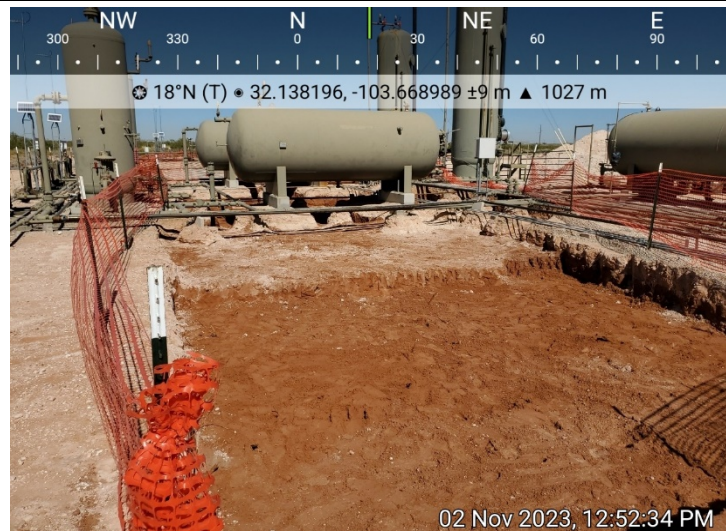
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Confirmation Sampling Event - 11/02/23

**Photograph No. 15**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 11/02/23



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 16

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 11/02/23

**Photograph No. 17**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 11/02/23

**Photograph No. 18**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Confirmation Sampling Event - 11/02/23



PHOTOGRAPHIC LOG

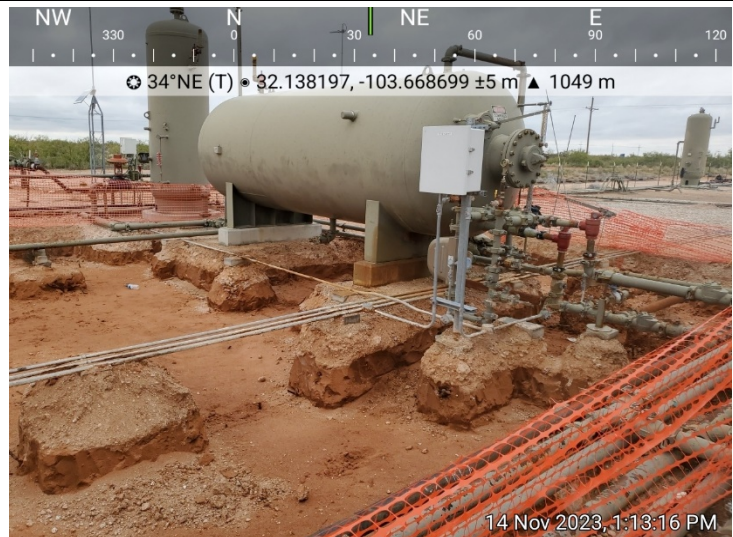
Devon Energy Production Company

Photograph No. 19

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Final Confirmation Sampling Event - 11/14/23

**Photograph No. 20**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Final Confirmation Sampling Event - 11/14/23

**Photograph No. 21**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Final Confirmation Sampling Event - 11/14/23



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 23

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

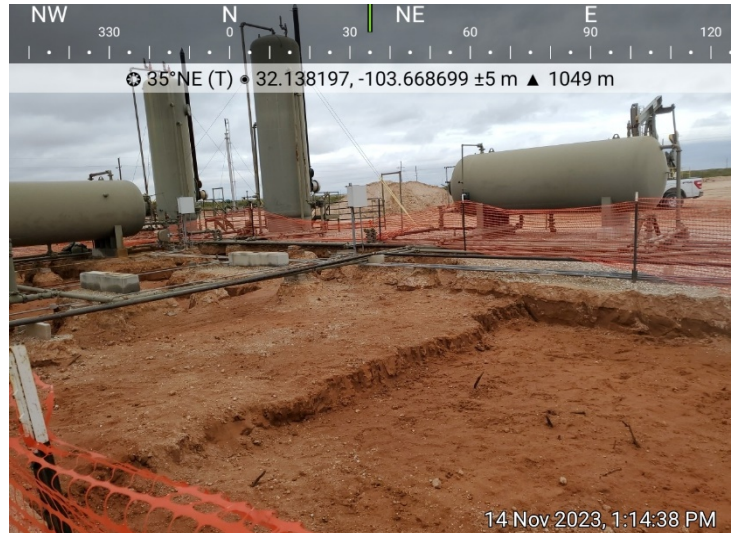
Description:
Final Confirmation Sampling Event - 11/14/23

**Photograph No. 24**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Final Confirmation Sampling Event - 11/14/23

**Photograph No. 25**

Facility: Cotton Draw Unit 237H Battery

County: Lea County, New Mexico

Description:
Final Confirmation Sampling Event - 11/14/23



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

Report to:
Ethan Sessums



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name: Cotton Draw Unit 237H (CDU 237H)

Work Order: E309093

Job Number: 01058-0007

Received: 9/12/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/18/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/18/23

Ethan Sessums
911 Regional Park Dr.
Houston, TX 77060



Project Name: Cotton Draw Unit 237H (CDU 237H)
Workorder: E309093
Date Received: 9/12/2023 8:15:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2023 8:15:00AM, under the Project Name: Cotton Draw Unit 237H (CDU 237H).

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 237H (CDU 237H) 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 regarding 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
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Cell: 775-287-1762
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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 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 09/18/23 14:55
---------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
V-1 0-6"	E309093-01A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-1 1-1.5'	E309093-02A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-1 2-2.5'	E309093-03A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-1 3-3.5'	E309093-04A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-1 4-4.5'	E309093-05A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-2 0-6"	E309093-06A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-2 1-1.5'	E309093-07A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-2 2-2.5'	E309093-08A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-2 3-3.5'	E309093-09A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-2 4-4.5'	E309093-10A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-2 5-5.5'	E309093-11A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-3 0-6"	E309093-12A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-3 1-1.5'	E309093-13A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-3 2-2.5'	E309093-14A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-3 3-3.5'	E309093-15A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-3 4-4.5'	E309093-16A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-4 0-6"	E309093-17A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-4 1-1.5'	E309093-18A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-4 2-2.5'	E309093-19A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-4 3-3.5'	E309093-20A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-4 4-4.5'	E309093-21A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-4 5-5.5'	E309093-22A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-5 0-6"	E309093-23A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-5 1-1.5'	E309093-24A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-5 2-2.5'	E309093-25A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-5 3-3.5'	E309093-26A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-5 4-4.5'	E309093-27A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
V-5 5-5.5'	E309093-28A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
H-1 0-6"	E309093-29A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
H-2 0-6"	E309093-30A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
H-3 0-6"	E309093-31A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
H-4 0-6"	E309093-32A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
H-5 0-6"	E309093-33A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
H-6 0-6"	E309093-34A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
H-7 0-6"	E309093-35A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.
H-8 0-6"	E309093-36A	Soil	09/07/23	09/12/23	Glass Jar, 2 oz.



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-1 0-6"

E309093-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2337035	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene	123 %	70-130		09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		09/12/23	09/13/23	
Surrogate: Toluene-d8	110 %	70-130		09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2337035	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene	123 %	70-130		09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		09/12/23	09/13/23	
Surrogate: Toluene-d8	110 %	70-130		09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2337080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane	90.4 %	50-200		09/15/23	09/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2337070	
Chloride	891	20.0	1	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-1 1-1.5'

E309093-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		93.9 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	956	20.0	1	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-1 2-2.5'

E309093-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		91.9 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	300	20.0	1	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-1 3-3.5'

E309093-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		93.8 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	135	20.0	1	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-1 4-4.5'

E309093-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		97.4 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	188	20.0	1	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-2 0-6"

E309093-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		93.2 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	15700	1000	50	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-2 1-1.5'

E309093-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		95.9 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	3330	40.0	2	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-2 2-2.5'

E309093-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		113 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		113 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		93.4 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	2160	40.0	2	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-2 3-3.5'

E309093-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		93.9 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	8470	400	20	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-2 4-4.5'

E309093-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		93.6 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	7540	400	20	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-2 5-5.5'

E309093-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337035	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337035	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2337080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		89.0 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2337070	
Chloride	8440	400	20	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-3 0-6"

E309093-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		94.6 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	4020	40.0	2	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-3 1-1.5'

E309093-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/15/23	
Surrogate: n-Nonane		95.0 %	50-200	09/15/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	2070	40.0	2	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-3 2-2.5'

E309093-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/16/23	
Surrogate: n-Nonane		91.7 %	50-200	09/15/23	09/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	2380	40.0	2	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-3 3-3.5'

E309093-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		123 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		123 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/16/23	
Surrogate: n-Nonane		90.9 %	50-200	09/15/23	09/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	8550	400	20	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-3 4-4.5'

E309093-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		109 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		109 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/16/23	
Surrogate: n-Nonane		94.6 %	50-200	09/15/23	09/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	6610	200	10	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-4 0-6"

E309093-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0500	2	09/12/23	09/14/23	
Ethylbenzene	ND	0.0500	2	09/12/23	09/14/23	
Toluene	ND	0.0500	2	09/12/23	09/14/23	
o-Xylene	ND	0.0500	2	09/12/23	09/14/23	
p,m-Xylene	ND	0.100	2	09/12/23	09/14/23	
Total Xylenes	ND	0.0500	2	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		109 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	40.0	2	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		109 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	718	25.0	1	09/15/23	09/16/23	
Oil Range Organics (C28-C36)	448	50.0	1	09/15/23	09/16/23	
Surrogate: n-Nonane		93.5 %	50-200	09/15/23	09/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	24200	1000	50	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-4 1-1.5'

E309093-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/14/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/14/23	
Toluene	ND	0.0250	1	09/12/23	09/14/23	
o-Xylene	ND	0.0250	1	09/12/23	09/14/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/14/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		112 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/16/23	
Surrogate: n-Nonane		93.6 %	50-200	09/15/23	09/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	3470	40.0	2	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-4 2-2.5'

E309093-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/14/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/14/23	
Toluene	ND	0.0250	1	09/12/23	09/14/23	
o-Xylene	ND	0.0250	1	09/12/23	09/14/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/14/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		110 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		110 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/16/23	
Surrogate: n-Nonane		92.1 %	50-200	09/15/23	09/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	4610	100	5	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-4 3-3.5'

E309093-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Benzene	ND	0.0250	1	09/12/23	09/14/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/14/23	
Toluene	ND	0.0250	1	09/12/23	09/14/23	
o-Xylene	ND	0.0250	1	09/12/23	09/14/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/14/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		111 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/23	09/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/23	09/16/23	
Surrogate: n-Nonane		94.4 %	50-200	09/15/23	09/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337070
Chloride	3410	40.0	2	09/13/23	09/16/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-4 4-4.5'

E309093-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		107 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		107 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		107 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		107 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/14/23	
Surrogate: n-Nonane		85.0 %	50-200	09/14/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337071
Chloride	3220	40.0	2	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-4 5-5.5'

E309093-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		110 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		101 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		110 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		101 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/14/23	
Surrogate: n-Nonane		86.0 %	50-200	09/14/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337071
Chloride	6510	100	5	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-5 0-6"

E309093-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		107 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		105 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		107 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		105 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/14/23	
Surrogate: n-Nonane		83.8 %	50-200	09/14/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337071
Chloride	5300	100	5	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-5 1-1.5'

E309093-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		108 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		108 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/14/23	
Surrogate: n-Nonane		84.8 %	50-200	09/14/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337071
Chloride	2230	40.0	2	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-5 2-2.5'

E309093-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		112 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		108 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		112 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		108 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/14/23	
Surrogate: n-Nonane		76.1 %	50-200	09/14/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337071
Chloride	257	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-5 3-3.5'

E309093-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337036	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		102 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		102 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2337081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/14/23	
Surrogate: n-Nonane		83.8 %	50-200	09/14/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2337071	
Chloride	469	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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V-5 4-4.5'

E309093-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337036	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		105 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		105 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2337081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/14/23	
Surrogate: n-Nonane		85.0 %	50-200	09/14/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2337071	
Chloride	1060	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

V-5 5-5.5'

E309093-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		107 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		107 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/14/23	
Surrogate: n-Nonane		84.7 %	50-200	09/14/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337071
Chloride	1910	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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H-1 0-6"

E309093-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		108 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		108 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/15/23	
Surrogate: n-Nonane		85.6 %	50-200	09/14/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337071
Chloride	ND	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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H-2 0-6"

E309093-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		107 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		101 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		107 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		101 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/15/23	
Surrogate: n-Nonane		82.0 %	50-200	09/14/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337071
Chloride	ND	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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H-3 0-6"

E309093-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		106 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		106 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/15/23	
Surrogate: n-Nonane		80.8 %	50-200	09/14/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337069
Chloride	ND	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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H-4 0-6"

E309093-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337036	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		107 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		107 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2337081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/15/23	
Surrogate: n-Nonane		76.7 %	50-200	09/14/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2337069	
Chloride	ND	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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H-5 0-6"

E309093-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		107 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	09/12/23	09/13/23	
Surrogate: Toluene-d8		107 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/15/23	
Surrogate: n-Nonane		80.4 %	50-200	09/14/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337069
Chloride	202	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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H-6 0-6"

E309093-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/14/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/14/23	
Toluene	ND	0.0250	1	09/12/23	09/14/23	
o-Xylene	ND	0.0250	1	09/12/23	09/14/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/14/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		110 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		101 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		110 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		101 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/15/23	
Surrogate: n-Nonane		81.0 %	50-200	09/14/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337069
Chloride	ND	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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H-7 0-6"

E309093-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337036	
Benzene	ND	0.0250	1	09/12/23	09/14/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/14/23	
Toluene	ND	0.0250	1	09/12/23	09/14/23	
o-Xylene	ND	0.0250	1	09/12/23	09/14/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/14/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		105 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		105 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2337081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/15/23	
Surrogate: n-Nonane		72.4 %	50-200	09/14/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2337069	
Chloride	75.8	20.0	1	09/13/23	09/15/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Cotton Draw Unit 237H (CDU 237H)
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/18/2023 2:55:31PM

H-8 0-6"**E309093-36**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Benzene	ND	0.0250	1	09/12/23	09/14/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/14/23	
Toluene	ND	0.0250	1	09/12/23	09/14/23	
o-Xylene	ND	0.0250	1	09/12/23	09/14/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/14/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		105 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/12/23	09/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	09/12/23	09/14/23	
Surrogate: Toluene-d8		105 %	70-130	09/12/23	09/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/23	09/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/23	09/15/23	
Surrogate: n-Nonane		84.3 %	50-200	09/14/23	09/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2337069
Chloride	81.2	20.0	1	09/13/23	09/15/23	



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Cotton Draw Unit 237H (CDU 237H)	Reported:
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	9/18/2023 2:55:31PM

Volatile Organic Compounds by EPA 8260B

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 (2337035-BLK1) Prepared: 09/12/23 Analyzed: 09/14/23

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: Bromofluorobenzene	0.613		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.560		0.500		112	70-130			

LCS (2337035-BS1) Prepared: 09/12/23 Analyzed: 09/13/23

Benzene	2.43	0.0250	2.50		97.3	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.55	0.0250	2.50		102	70-130			
o-Xylene	2.71	0.0250	2.50		108	70-130			
p,m-Xylene	5.44	0.0500	5.00		109	70-130			
Total Xylenes	8.15	0.0250	7.50		109	70-130			
Surrogate: Bromofluorobenzene	0.614		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

Matrix Spike (2337035-MS1) Source: E309093-02 Prepared: 09/12/23 Analyzed: 09/13/23

Benzene	2.38	0.0250	2.50	ND	95.2	48-131			
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.72	0.0250	2.50	ND	109	43-135			
p,m-Xylene	5.46	0.0500	5.00	ND	109	43-135			
Total Xylenes	8.18	0.0250	7.50	ND	109	43-135			
Surrogate: Bromofluorobenzene	0.617		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

Matrix Spike Dup (2337035-MSD1) Source: E309093-02 Prepared: 09/12/23 Analyzed: 09/13/23

Benzene	2.39	0.0250	2.50	ND	95.7	48-131	0.482	23	
Ethylbenzene	2.58	0.0250	2.50	ND	103	45-135	0.975	27	
Toluene	2.57	0.0250	2.50	ND	103	48-130	0.763	24	
o-Xylene	2.75	0.0250	2.50	ND	110	43-135	0.841	27	
p,m-Xylene	5.48	0.0500	5.00	ND	110	43-135	0.466	27	
Total Xylenes	8.23	0.0250	7.50	ND	110	43-135	0.591	27	
Surrogate: Bromofluorobenzene	0.620		0.500		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Cotton Draw Unit 237H (CDU 237H)	Reported:
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	9/18/2023 2:55:31PM

Volatile Organic Compounds by EPA 8260B

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 (2337036-BLK1) Prepared: 09/12/23 Analyzed: 09/13/23

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: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS (2337036-BS1) Prepared: 09/12/23 Analyzed: 09/13/23

Benzene	2.78	0.0250	2.50		111	70-130			
Ethylbenzene	2.78	0.0250	2.50		111	70-130			
Toluene	2.82	0.0250	2.50		113	70-130			
o-Xylene	2.94	0.0250	2.50		117	70-130			
p,m-Xylene	5.81	0.0500	5.00		116	70-130			
Total Xylenes	8.75	0.0250	7.50		117	70-130			
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike (2337036-MS1) Source: E309094-02 Prepared: 09/12/23 Analyzed: 09/13/23

Benzene	2.72	0.0250	2.50	ND	109	48-131			
Ethylbenzene	2.70	0.0250	2.50	ND	108	45-135			
Toluene	2.76	0.0250	2.50	ND	110	48-130			
o-Xylene	2.89	0.0250	2.50	ND	115	43-135			
p,m-Xylene	5.67	0.0500	5.00	ND	113	43-135			
Total Xylenes	8.55	0.0250	7.50	ND	114	43-135			
Surrogate: Bromofluorobenzene	0.565		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike Dup (2337036-MSD1) Source: E309094-02 Prepared: 09/12/23 Analyzed: 09/13/23

Benzene	2.72	0.0250	2.50	ND	109	48-131	0.00	23	
Ethylbenzene	2.70	0.0250	2.50	ND	108	45-135	0.130	27	
Toluene	2.76	0.0250	2.50	ND	110	48-130	0.145	24	
o-Xylene	2.74	0.0250	2.50	ND	110	43-135	5.03	27	
p,m-Xylene	5.41	0.0500	5.00	ND	108	43-135	4.76	27	
Total Xylenes	8.15	0.0250	7.50	ND	109	43-135	4.85	27	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337035-BLK1) Prepared: 09/12/23 Analyzed: 09/14/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.613		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.560		0.500		112	70-130			

LCS (2337035-BS2) Prepared: 09/12/23 Analyzed: 09/13/23

Gasoline Range Organics (C6-C10)	55.8	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.609		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			

Matrix Spike (2337035-MS2) Source: E309093-02 Prepared: 09/12/23 Analyzed: 09/13/23

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130			
Surrogate: Bromofluorobenzene	0.611		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

Matrix Spike Dup (2337035-MSD2) Source: E309093-02 Prepared: 09/12/23 Analyzed: 09/13/23

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.1	70-130	1.11	20	
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.566		0.500		113	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337036-BLK1) Prepared: 09/12/23 Analyzed: 09/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS (2337036-BS2) Prepared: 09/12/23 Analyzed: 09/13/23

Gasoline Range Organics (C6-C10)	62.6	20.0	50.0		125	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			

Matrix Spike (2337036-MS2) Source: E309094-02 Prepared: 09/12/23 Analyzed: 09/13/23

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500		90.0	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			

Matrix Spike Dup (2337036-MSD2) Source: E309094-02 Prepared: 09/12/23 Analyzed: 09/13/23

Gasoline Range Organics (C6-C10)	57.3	20.0	50.0	ND	115	70-130	4.68	20	
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337080-BLK1)					Prepared: 09/15/23 Analyzed: 09/15/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.3		50.0		103	50-200			

LCS (2337080-BS1)					Prepared: 09/15/23 Analyzed: 09/15/23				
Diesel Range Organics (C10-C28)	251	25.0	250		101	38-132			
Surrogate: n-Nonane	48.3		50.0		96.7	50-200			

Matrix Spike (2337080-MS1)					Source: E309093-11		Prepared: 09/15/23 Analyzed: 09/15/23		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	44.4		50.0		88.8	50-200			

Matrix Spike Dup (2337080-MSD1)					Source: E309093-11		Prepared: 09/15/23 Analyzed: 09/15/23		
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.4	38-132	6.18	20	
Surrogate: n-Nonane	43.2		50.0		86.4	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337081-BLK1)					Prepared: 09/14/23 Analyzed: 09/14/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.7		50.0		87.3	50-200			

LCS (2337081-BS1)					Prepared: 09/14/23 Analyzed: 09/14/23				
Diesel Range Organics (C10-C28)	236	25.0	250		94.3	38-132			
Surrogate: n-Nonane	43.3		50.0		86.7	50-200			

Matrix Spike (2337081-MS1)					Source: E309093-33		Prepared: 09/14/23 Analyzed: 09/14/23		
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
Surrogate: n-Nonane	39.3		50.0		78.5	50-200			

Matrix Spike Dup (2337081-MSD1)					Source: E309093-33		Prepared: 09/14/23 Analyzed: 09/14/23		
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.7	38-132	1.42	20	
Surrogate: n-Nonane	38.3		50.0		76.7	50-200			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Cotton Draw Unit 237H (CDU 237H)	Reported:
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	9/18/2023 2:55:31PM

Anions by EPA 300.0/9056A

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 (2337069-BLK1)					Prepared: 09/13/23 Analyzed: 09/15/23				
Chloride	ND	20.0							
LCS (2337069-BS1)					Prepared: 09/13/23 Analyzed: 09/15/23				
Chloride	260	20.0	250		104	90-110			
LCS Dup (2337069-BSD1)					Prepared: 09/13/23 Analyzed: 09/15/23				
Chloride	260	20.0	250		104	90-110	0.00576	20	



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337070-BLK1)				Prepared: 09/13/23 Analyzed: 09/16/23					
Chloride	ND	20.0							
LCS (2337070-BS1)				Prepared: 09/13/23 Analyzed: 09/16/23					
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2337070-MS1)				Source: E309093-01		Prepared: 09/13/23 Analyzed: 09/16/23			
Chloride	1110	20.0	250	891	88.0	80-120			
Matrix Spike Dup (2337070-MSD1)				Source: E309093-01		Prepared: 09/13/23 Analyzed: 09/16/23			
Chloride	1060	20.0	250	891	69.5	80-120	4.27	20	M2



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton Draw Unit 237H (CDU 237H) Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/18/2023 2:55:31PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337071-BLK1)					Prepared: 09/13/23 Analyzed: 09/15/23				
Chloride	ND	20.0							
LCS (2337071-BS1)					Prepared: 09/13/23 Analyzed: 09/15/23				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2337071-MS1)					Source: E309093-21		Prepared: 09/13/23 Analyzed: 09/15/23		
Chloride	3360	40.0	250	3220	58.2	80-120			M5
Matrix Spike Dup (2337071-MSD1)					Source: E309093-21		Prepared: 09/13/23 Analyzed: 09/15/23		
Chloride	3390	40.0	250	3220	69.8	80-120	0.860	20	M5

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:	Cotton Draw Unit 237H (CDU 237H)	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	09/18/23 14:55

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
- 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.



Work Order No: E309093
Job# 01058-0007

Page 1 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments			
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>		
State of Project:			
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>		
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:		

Project Name:		Cotton Draw Unit 237H (CDU 237H)			Turn Around			Pres. Code	ANALYSIS REQUEST														Preservative Codes		
Project Number:		225309			<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											HOLD	None: NO		DI Water: H ₂ O
Project Location		Lea County, NM			Due Date:																		Cool: Cool	MeOH: Me	
Sampler's Name:		Dmitry Nikanorov			TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC	HNO ₃ : HN	
PO #:		21070512																					H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes	No	Wet Ice:																	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	H ₃ PO ₄ : HP
Received Intact:		<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No	Thermometer ID:																	Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn		
Cooler Custody Seals:		Yes		No	N/A	Correction Factor:																	NaOH+Ascorbic Acid: SAPC		
Sample Custody Seals:		Yes		No	N/A	Temperature Reading:		4																	
Total Containers:		36		Corrected Temperature:																					
Sample Identification		Depth		Date		Time		Soil		Water		Grab/ Comp		# of Cont										Sample Comments	
V-1		0-6"		9/7/2023				X				Grab		1		X	X	X							
V-1		1-1.5'		9/7/2023				X				Grab		1		X	X	X							
V-1		2-2.5'		9/7/2023				X				Grab		1		X	X	X							
V-1		3-3.5'		9/7/2023				X				Grab		1		X	X	X							
V-1		4-4.5'		9/7/2023				X				Grab		1		X	X	X							
V-2		0-6"		9/7/2023				X				Grab		1		X	X	X							
V-2		1-1.5'		9/7/2023				X				Grab		1		X	X	X							
V-2		2-2.5'		9/7/2023				X				Grab		1		X	X	X							
V-2		3-3.5'		9/7/2023				X				Grab		1		X	X	X							
V-2		4-4.5'		9/7/2023				X				Grab		1		X	X	X							

Additional Comments:

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

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1	<i>DK</i>	<i>Michelle Gault</i>		<i>9-11-23</i>	<i>11:45</i>	2	<i>Michelle Gault</i>	<i>Andrea Messo</i>		<i>9-11-23</i>	<i>17:00</i>
3	<i>Andrea Messo</i>	<i>Cynthia Mann</i>		<i>9-12-23</i>	<i>8:15</i>	4					
5						6					



Chain of Custody

 Work Order No: E309093
 Job # 01058-0007
Page 2 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:		Cotton Draw Unit 237H (CDU 237H)		Turn Around				ANALYSIS REQUEST												Preservative Codes			
Project Number:		225309		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O			
Project Location		Lea County, NM		Due Date:																Cool: Cool MeOH: Me			
Sampler's Name:		Dmitry Nikanorov		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN			
PO #:		21070512																		H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														H ₃ PO ₄ : HP	
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:																NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes No N/A		Temperature Reading:		4														Zn Acetate+NaOH: Zn			
Total Containers:		36		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification	Depth	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												HOLD	Sample Comments		
								BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500													
V-2	5-5.5'	9/7/2023		X		Grab	1	X	X	X									11				
V-3	0-6"	9/7/2023		X		Grab	1	X	X	X									12				
V-3	1-1.5'	9/7/2023		X		Grab	1	X	X	X									13				
V-3	2-2.5'	9/7/2023		X		Grab	1	X	X	X									14				
V-3	3-3.5'	9/7/2023		X		Grab	1	X	X	X									15				
V-3	4-4.5'	9/7/2023		X		Grab	1	X	X	X									16				
V-4	0-6"	9/7/2023		X		Grab	1	X	X	X									17				
V-4	1-1.5'	9/7/2023		X		Grab	1	X	X	X									18				
V-4	2-2.5'	9/7/2023		X		Grab	1	X	X	X									19				
V-4	3-3.5'	9/7/2023		X		Grab	1	X	X	X									20				

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
<i>[Signature]</i>	<i>Michelle Gayle</i>	9-11-23 11:45	<i>Michelle Gayle</i>	<i>Andrew Messer</i>	9-11-23 17:30
<i>Andrew Messer</i>	<i>Caitlin Mann</i>	9-12-23 8:15			




Work Order No: E309093
Job # 01058-0007

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Work Order Comments			
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>		
State of Project:			
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> FRRP <input type="checkbox"/> Level IV <input type="checkbox"/>		
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:		

[illegible]




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	
1		Michelle Gungor	9-11-23 11:45	2	Michelle Gungor
3	Adrian McGo	Carla McGo	9-12-23 8:15	4	Adrian McGo
5				6	

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Work Order Comments					
Program:	UST/PST <input type="checkbox"/>	PRP <input type="checkbox"/>	Brownfields <input type="checkbox"/>	RRC <input type="checkbox"/>	Superfund <input type="checkbox"/>
State of Project:					
Reporting:	Level II <input type="checkbox"/>	Level III <input type="checkbox"/>	PST/UST <input type="checkbox"/>	RRP <input type="checkbox"/>	Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	ADaPT <input type="checkbox"/>	Other: <input type="text"/>		

Additional Comments:

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1				2	
3	Arden Mays	Carth Man	9-11-23 11:45	4	Arden Mays
5			9-12-23 8:15	6	

Envirotech Analytical Laboratory

Printed: 9/12/2023 9:26:01AM

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:	09/12/23 08:15	Work Order ID:	E309093
Phone:	(281) 872-9300	Date Logged In:	09/11/23 15:57	Logged In By:	Caitlin Mars
Email:	essessums@ntglobal.com	Due Date:	09/18/23 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Time sampled not provided on COC per client. SRC email was not sent per client request.

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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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? Yes
 - Collectors name? Yes

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 filtration 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

Client Instruction

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

Date



envirotech Inc.



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

October 26, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON DRAW UNIT 237 H

Enclosed are the results of analyses for samples received by the laboratory on 10/24/23 13:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 1' (H235818-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828	
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22	
Total BTX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8600	16.0	10/25/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 1' (H235818-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	10/25/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 1' (H235818-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	10/25/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 1' (H235818-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	10/25/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 1' (H235818-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/25/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 1' (H235818-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96	GC-NC	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/25/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 1' (H235818-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	10/25/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 1' (H235818-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	10/25/2023	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 1' (H235818-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 1' (H235818-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 1' (H235818-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 1' (H235818-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 1' (H235818-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828	
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 14 1' (H235818-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828		
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 15 1' (H235818-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.97	98.6	2.00	0.828	
Toluene*	<0.050	0.050	10/25/2023	ND	2.04	102	2.00	0.665	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.05	103	2.00	1.96	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.24	104	6.00	3.22	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	10/25/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 16 1' (H235818-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.95	97.6	2.00	2.52	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	3.00	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.04	101	6.00	2.54	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/25/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 0-1' (H235818-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.95	97.6	2.00	2.52		
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	3.00		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.04	101	6.00	2.54		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 0-1' (H235818-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.95	97.6	2.00	2.52		
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	3.00		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.04	101	6.00	2.54		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 0-1' (H235818-19)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.95	97.6	2.00	2.52		
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	3.00		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.04	101	6.00	2.54		
Total BTX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 0-1' (H235818-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.95	97.6	2.00	2.52		
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	3.00		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.04	101	6.00	2.54		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3560	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 0-1' (H235818-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.95	97.6	2.00	2.52		
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	3.00		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.04	101	6.00	2.54		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	178	88.9	200	4.39	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	182	90.9	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 0-1' (H235818-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.95	97.6	2.00	2.52		
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	3.00		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.04	101	6.00	2.54		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	185	92.6	200	3.78	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	180	90.2	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 0-1' (H235818-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.95	97.6	2.00	2.52		
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	3.00		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.04	101	6.00	2.54		
Total BTEx	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	185	92.6	200	3.78	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	180	90.2	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2023
 Reported: 10/26/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 0-1' (H235818-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	1.95	97.6	2.00	2.52		
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	3.00		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.04	101	6.00	2.54		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	185	92.6	200	3.78	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	180	90.2	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTGE</u>				BILL TO				ANALYSIS REQUEST											
Project Manager: <u>Ethan Sessums</u>				P.O. #: <u>21070512</u>				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEx</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>											
Address: <u>209 W. McKay Street</u>				Company: <u>Devon</u>															
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn: <u>Ruke Woodale</u>															
Phone #: <u>354-266-5456</u> Fax #:				Address:															
Project #: <u>225304</u> Project Owner: <u>Devon</u>				City:															
Project Name: <u>Cottondale unit 237 H</u>				State: Zip:															
Project Location: <u>Ken Co. NM</u>				Phone #:															
Sampler Name: <u>Kenny Hays</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING									
						GROUNDWATER		ACID/BASE:		DATE		TIME							
						WASTEWATER		ICE / COOL											
						SOIL		OTHER:											
						OIL													
						SLUDGE													
<u>H235818</u>																			
<u>1 CS-1</u>		<u>1'</u>		<u>C 1</u>		<u>X</u>		<u>✓</u>		<u>10/24/23</u>		<u>10:06</u>							
<u>2 CS-2</u>		<u>1'</u>										<u>10:01</u>							
<u>3 CS-3</u>		<u>1'</u>										<u>10:02</u>							
<u>4 CS-4</u>		<u>1'</u>										<u>10:03</u>							
<u>5 CS-5</u>		<u>1'</u>										<u>10:04</u>							
<u>6 CS-6</u>		<u>1'</u>										<u>10:05</u>							
<u>7 CS-7</u>		<u>1'</u>										<u>10:06</u>							
<u>8 CS-8</u>		<u>1'</u>										<u>10:07</u>							
<u>9 CS-9</u>		<u>1'</u>										<u>10:08</u>							
<u>10 CS-10</u>		<u>1'</u>										<u>10:09</u>							

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Relinquished By: <u>[Signature]</u>		Date: <u>10/24/23</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Acid Phone #:	
		Time: <u>1304</u>				All Results are emailed. Please provide Email address:			
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)		Observed Temp. °C <u>5.2</u>		Sample Condition		CHECKED BY: (Initials) <u>[Signature]</u>		Turnaround Time: <u>48hr</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>				Thermometer ID #140 Correction Factor 0°C	
								Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
								Observed Temp. °C Corrected Temp. °C	

FORM-000 R 5.4 07/11/23

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE				BILL TO				ANALYSIS REQUEST													
Project Manager: Ethan Sessums				P.O. #: 21070512				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTFA</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>													
Address: 204 W. McKay Street				Company: Derrin																	
City: Carlsbad State: NM Zip: 88220				Attn: Pete Woodale																	
Phone #: 254-266-5456 Fax #:				Address:																	
Project #: 225304 Project Owner: Derrin				City:																	
Project Name: Gothenrow Unit 237H				State: Zip:																	
Project Location: near 6, NM				Phone #:																	
Sampler Name: Kenny Hunt				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING									
								GROUNDWATER													
								WASTEWATER													
								SOIL													
								OIL													
								SLUDGE													
								OTHER:													
								ACID/BASE:													
								ICE / COOL													
								OTHER:													
										DATE		TIME									
H235818																					
11 CS-11		7'		C		7		X						10/24/23 10:10							
12 CS-12		7'												10:11							
13 CS-13		7'												10:12							
14 CS-14		7'												10:13							
15 CS-15		7'												10:14							
16 CS-16		7'												10:15							
17 SW-1		0-1'												10:16							
18 SW-2		0-1'												10:17							
19 SW-3		0-1'												10:18							
20 SW-4		0-1'												10:19							

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Relinquished By: 146		Date: 10/24/23		Received By: Tamara Olds		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 1304				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C 5.2		Sample Condition		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Thermometer ID #140 Correction Factor 0°C 48hr	
				CHECKED BY: (Initials) JS		Bacteria (only) Sample Condition	
						Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Observed Temp. °C	
						Corrected Temp. °C	

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTBE</u>		BILL TO		ANALYSIS REQUEST																	
Project Manager: <u>Ethan Sessions</u>		P.O. #: <u>21020512</u>		<div style="display: flex; justify-content: space-around; font-size: 2em;"> BTEX TPH Chloride </div>																	
Address: <u>209 W. McKay Street</u>		Company: <u>Devon</u>																			
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn: <u>Dale Woodale</u>																			
Phone #: <u>254-266-5456</u> Fax #:		Address:																			
Project #: <u>225309</u> Project Owner: <u>Devon</u>		City:																			
Project Name: <u>Cottonwood unit 237H</u>		State: Zip:																			
Project Location: <u>here for NM</u>		Phone #:																			
Sampler Name: <u>Kenny Hun</u>		Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME							
<u>H235818</u>																					
<u>21</u>	<u>SW-5</u>	<u>0-1'</u>	<u>C</u>	<u>1</u>		<u>X</u>							<u>10/24/23</u>	<u>10:20</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				
<u>22</u>	<u>SW-6</u>	<u>0-1'</u>	<u>↓</u>	<u>↓</u>		<u>↓</u>							<u>↓</u>	<u>10:21</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				
<u>23</u>	<u>SW-7</u>	<u>0-1'</u>	<u>↓</u>	<u>↓</u>		<u>↓</u>							<u>↓</u>	<u>10:22</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				
<u>24</u>	<u>SW-8</u>	<u>0-1'</u>	<u>↓</u>	<u>↓</u>		<u>↓</u>							<u>↓</u>	<u>10:23</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				

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Relinquished By: <u>[Signature]</u>		Date: <u>10/24/23</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Time: <u>1304</u>		Time: <u>1304</u>		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		REMARKS:	
Time:						
Delivered By: (Circle One)		Observed Temp. °C <u>5.2</u>	Sample Condition		Turnaround Time: <u>Standard</u> <input type="checkbox"/> <u>Rush</u> <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
			Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
			CHECKED BY: (Initials) <u>[Signature]</u>		Thermometer ID #140 Correction Factor 0°C	
					Corrected Temp. °C	

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

November 06, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON DRAW UNIT 237 H

Enclosed are the results of analyses for samples received by the laboratory on 11/02/23 14:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 1 (H236032-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2023	ND	214	107	200	3.27	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	216	108	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (H236032-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2023	ND	214	107	200	3.27	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	216	108	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 3 (H236032-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (H236032-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 7 (H236032-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7	
Total BTEx	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 8 (H236032-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 12 (H236032-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 15 (H236032-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 16 (H236032-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1A (H236032-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4120	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CW - 2A (H236032-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3A (H236032-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4A (H236032-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (H236032-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (H236032-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (H236032-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (H236032-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/06/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: COTTON DRAW UNIT 237 H
 Project Number: 225309
 Project Location: DEVON ENERGY - LEA CO NM

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 9 (H236032-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/06/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2023	ND	203	101	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	184	92.1	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

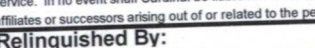
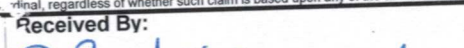



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476										BILL TO		ANALYSIS REQUEST									
Company Name: NTGE										P.O. #: 21070512											
Project Manager: Ethan Serreus										Company: Devon											
Address: 209 W. McKay St.										Attn: Dale Woodall											
City: Carlsbad State: NM Zip: 88220										Address:											
Phone #: (254) 266-5486 Fax #:										City:											
Project #: 225309 Project Owner: Devon										State: Zip:											
Project Name: Cotton Draw Unit 237H										Phone #:											
Project Location: Lea Co, NM										Fax #:											
Sampler Name: Kellan Smith																					
FOR LAB USE ONLY																					
												<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>									

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Relinquished By:  Date: 11-2-23 Time: 1433		Received By:  Date: _____ Time: _____		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	
Relinquished By: _____ Date: _____ Time: _____		Received By: _____ Date: _____ Time: _____		REMARKS: _____ _____ _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C 14.2 Corrected Temp. °C _____		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) 	
				Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #140 Correction Factor 0°C 48hr	
				Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 22 of 22

Company Name: DTGE				BILL TO				ANALYSIS REQUEST																			
Project Manager: Ethan Sessions				P.O. #: 21070512				<div style="display: flex; justify-content: space-around; font-size: 2em;"> DTGE TPH Chloride </div>																			
Address: 209 W McKay St				Company: DECON																							
City: Carlsbad State: NM Zip: 88220				Attn: Don Woodall																							
Phone #: (254) 266-5485 Fax #:				Address:																							
Project #: 225307 Project Owner: DECON				City:																							
Project Name: Cotton Draw Unit 23714				State: Zip:																							
Project Location: Lee Co, NM				Phone #:																							
Sampler Name: Kellan Smith				Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL:	OTHER:	DATE	TIME													
H230032	CW-24	1				X							11/2/25		X	X	X										
11	SW-3A																										
13	SW-4A																										
14	SW-9																										
15	SW-10																										
16	SW-11																										
17	SW-12																										
18	CS-9																										

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Relinquished By:	Date: 11-2-23	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 1433	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C: 1.4	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C:	Checked By: (Initials) SK	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
			Thermometer ID #140 Correction Factor 0°C
			Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact Observed Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No

FORM-006 R 3.4 07/11/23

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

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

November 16, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON DRAW UNIT 237 H

Enclosed are the results of analyses for samples received by the laboratory on 11/14/23 15:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited 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

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 17 2'	H236221-01	Soil	14-Nov-23 00:00	14-Nov-23 15:16
CS - 18 2'	H236221-02	Soil	14-Nov-23 00:00	14-Nov-23 15:16
CS - 19 1'	H236221-03	Soil	14-Nov-23 00:00	14-Nov-23 15:16
CS - 20 2'	H236221-04	Soil	14-Nov-23 00:00	14-Nov-23 15:16
SW - 1 B 0-2'	H236221-05	Soil	14-Nov-23 00:00	14-Nov-23 15:16
SW - 2 B 0-1'	H236221-06	Soil	14-Nov-23 00:00	14-Nov-23 15:16
SW - 13 0-2'	H236221-07	Soil	14-Nov-23 00:00	14-Nov-23 15:16
SW - 14 0-1'	H236221-08	Soil	14-Nov-23 00:00	14-Nov-23 15:16
SW - 15 0-2'	H236221-09	Soil	14-Nov-23 00:00	14-Nov-23 15:16
SW - 16 0-2'	H236221-10	Soil	14-Nov-23 00:00	14-Nov-23 15:16

11/16/23 - Client changed some of the sample IDs (see COC). This is the revised report and will replace the one sent on 11/15/23.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

CS - 17 2'
H236221-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		3111425	JH/	14-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	

Surrogate: 1-Chlorooctane			101 %	48.2-134		3111426	MS	14-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			114 %	49.1-148		3111426	MS	14-Nov-23	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

CS - 18 2'
H236221-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3111425	JH/	14-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	

Surrogate: 1-Chlorooctane			104 %	48.2-134		3111426	MS	14-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3111426	MS	14-Nov-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

CS - 19 1'
H236221-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3111425	JH/	14-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	

Surrogate: 1-Chlorooctane			102 %	48.2-134		3111426	MS	14-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			114 %	49.1-148		3111426	MS	14-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

CS - 20 2'
H236221-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		3111425	JH/	14-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111426	MS	14-Nov-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		3111426	MS	14-Nov-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			116 %	49.1-148		3111426	MS	14-Nov-23	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

SW - 1 B 0-2'**H236221-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3111425	JH/	14-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	

Surrogate: 1-Chlorooctane			107 %	48.2-134		3111426	MS	15-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			122 %	49.1-148		3111426	MS	15-Nov-23	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

SW - 2 B 0-1'**H236221-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134 3111425 JH/ 14-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	

Surrogate: 1-Chlorooctane 103 % 48.2-134 3111426 MS 15-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 114 % 49.1-148 3111426 MS 15-Nov-23 8015B

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

SW - 13 0-2'
H236221-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	3111425	JH/	14-Nov-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B

Surrogate: 1-Chlorooctane	101 %	48.2-134	3111426	MS	15-Nov-23	8015B
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Surrogate: 1-Chlorooctadecane	113 %	49.1-148	3111426	MS	15-Nov-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

SW - 14 0-1'
H236221-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134 3111425 JH/ 14-Nov-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	

Surrogate: 1-Chlorooctane 111 % 48.2-134 3111426 MS 15-Nov-23 8015B

Surrogate: 1-Chlorooctadecane 124 % 49.1-148 3111426 MS 15-Nov-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

SW - 15 0-2'
H236221-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3111425	JH/	14-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	

Surrogate: 1-Chlorooctane			106 %	48.2-134		3111426	MS	15-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	49.1-148		3111426	MS	15-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

SW - 16 0-2'
H236221-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3111523	AC	15-Nov-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3111425	JH/	14-Nov-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3111425	JH/	14-Nov-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3111425	JH/	14-Nov-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111426	MS	15-Nov-23	8015B	

Surrogate: 1-Chlorooctane			102 %	48.2-134		3111426	MS	15-Nov-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	49.1-148		3111426	MS	15-Nov-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3111523 - 1:4 DI Water									
Blank (3111523-BLK1)				Prepared & Analyzed: 15-Nov-23					
Chloride	ND	16.0	mg/kg						
LCS (3111523-BS1)				Prepared & Analyzed: 15-Nov-23					
Chloride	448	16.0	mg/kg	400		112	80-120		
LCS Dup (3111523-BSD1)				Prepared & Analyzed: 15-Nov-23					
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20

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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111425 - Volatiles**Blank (3111425-BLK1)**

Prepared & Analyzed: 14-Nov-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0545		mg/kg	0.0500		109	71.5-134			

LCS (3111425-BS1)

Prepared & Analyzed: 14-Nov-23

Benzene	1.90	0.050	mg/kg	2.00		95.0	82.8-130			
Toluene	1.95	0.050	mg/kg	2.00		97.6	86-128			
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128			
m,p-Xylene	4.18	0.100	mg/kg	4.00		105	89-129			
o-Xylene	2.13	0.050	mg/kg	2.00		106	86.1-125			
Total Xylenes	6.31	0.150	mg/kg	6.00		105	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0553		mg/kg	0.0500		111	71.5-134			

LCS Dup (3111425-BS1)

Prepared & Analyzed: 14-Nov-23

Benzene	2.07	0.050	mg/kg	2.00		103	82.8-130	8.42	15.8	
Toluene	1.98	0.050	mg/kg	2.00		99.1	86-128	1.51	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	1.19	16	
m,p-Xylene	4.10	0.100	mg/kg	4.00		103	89-129	1.82	16.2	
o-Xylene	2.05	0.050	mg/kg	2.00		103	86.1-125	3.71	16.7	
Total Xylenes	6.15	0.150	mg/kg	6.00		103	88.2-128	2.46	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.6	71.5-134			

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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: COTTON DRAW UNIT 237 H
Project Number: 225309
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
16-Nov-23 15:55

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111426 - General Prep - Organics**Blank (3111426-BLK1)**

Prepared & Analyzed: 14-Nov-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	43.7		mg/kg	50.0		87.4	48.2-134			
Surrogate: 1-Chlorooctadecane	48.1		mg/kg	50.0		96.1	49.1-148			

LCS (3111426-BS1)

Prepared & Analyzed: 14-Nov-23

GRO C6-C10	183	10.0	mg/kg	200		91.5	66.4-123			
DRO >C10-C28	199	10.0	mg/kg	200		99.5	66.5-118			
Total TPH C6-C28	382	10.0	mg/kg	400		95.5	77.6-123			
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.0	48.2-134			
Surrogate: 1-Chlorooctadecane	49.9		mg/kg	50.0		99.8	49.1-148			

LCS Dup (3111426-BS1)

Prepared & Analyzed: 14-Nov-23

GRO C6-C10	183	10.0	mg/kg	200		91.5	66.4-123	0.0371	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.5	66.5-118	0.0131	21	
Total TPH C6-C28	382	10.0	mg/kg	400		95.5	77.6-123	0.0110	18.5	
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.4	48.2-134			
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0		98.5	49.1-148			

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H236221

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	432-701-2159	Email:	esesums@ntgglobal.com
Project Name:	Cotton Draw Unit 237H	Turn Around	
Project Number:	00000		

Page 1 of 1

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:		Cotton Draw Unit 237H		City, State ZIP:	
Project Number:		225309		Email: esessums@n	
Project Location:		Lea County, NM		Turn Around	
Sampler's Name:		Kenny Han		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
PO #:		21070512		Due Date: 24hr	
SAMPLE RECEIPT		TAT starts the day received by the lab, if received by 4:30pm			
Received Intact:		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Thermometer ID: 140	
Total Containers:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:	
Sample		10		Temperature Reading: 2.1	
				Corrected Temperature:	

[illegible]

Sample Identification	Depth	Date	Corrected Temperature:			
			Time	Soil	Water	Grab/Comp
CS-17	2'	11/14/2023				
CS-18	2'	11/14/2023		X		Comp
CS-19	1'	11/14/2023		X		Comp
CS-20	2'	11/14/2023		X		Comp
SW-1B	0-2'	11/14/2023		X		Comp
SW-2B	0-1'	11/14/2023		X		Comp
SW-13	0-2'	11/14/2023		X		Comp
SW-14	0-2'	11/14/2023		X		Comp
SW-15	0-2'	11/14/2023		X		Comp
SW-16	0-2'	11/14/2023		X		Comp
Additional Comments:				X		Comp




Additional Comments:

* Customer requested ID Changes. TO: 11/16/23

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

Customer requested ID changes. TO: 11/

Relinquished by: (Signature)	Received by: (Signature)
<i>[Signature]</i>	<i>[Signature]</i>

<p>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.</p>				
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)
		11-14-23 15:16		

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

QUESTIONS

Action 294377

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	294377
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2225136402
Incident Name	NAPP2225136402 COTTON DRAW UNIT #237H @ 30-025-41996
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-41996] COTTON DRAW UNIT #237H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	COTTON DRAW UNIT #237H
Date Release Discovered	09/04/2022
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 5 BBL Recovered: 5 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Lease operator arrived at and found water spraying into the air from a pinhole in a transfer line. Well was shut in and leak was isolated. Trucks called to pick up water Leak was not isolated to containment. There was rain water in containment. Leak did not leave location.

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QUESTIONS, Page 2

Action 294377

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	294377
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dnv.com Date: 12/13/2023
----------------------------------------------------	--------------------------------------------------------------------------------------------------

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QUESTIONS, Page 3

Action 294377

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	294377
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	24200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1166
GRO+DRO (EPA SW-846 Method 8015M)	718
BTEX (EPA SW-846 Method 8021B or 8260B)	29.5
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/24/2023
On what date will (or did) the final sampling or liner inspection occur	11/14/2023
On what date will (or was) the remediation complete(d)	11/16/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3437
What is the estimated volume (in cubic yards) that will be remediated	212

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 294377

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	294377
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 Artesia LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 01/17/2024
----------------------------------------------------	--------------------------------------------------------------------------------------------------

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 294377

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	294377
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The area is directly under concrete pedestal supports of the flare and pipelines.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	Not answered.
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	Not answered.
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-41996 COTTON DRAW UNIT #237H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 01/17/2024

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QUESTIONS, Page 6

Action 294377

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	294377
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	304310
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/15/2023
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3437
What was the total volume (cubic yards) remediated	212
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	see report

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 01/17/2024
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QUESTIONS, Page 7

Action 294377

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	294377
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 294377

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 294377
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	3/26/2024