

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

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

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

Incident ID	nAPP2319835371
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) nAPP2319835371
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.66593 Longitude -104.45695  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Cotton MX Federal Com #1	Site Type SWD
Date Release Discovered 07/17/2023	API# (if applicable) 30-015-23315

Unit Letter	Section	Township	Range	County
C	14	19S	25E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name: Wilbanks)

### 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 checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>Unknown</u>	Volume Recovered (bbls) <u>0</u>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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 During plugging activities, historical impacts were discovered in the vicinity of the wellhead. EOG contracted with a third party environmental consultant to assess the impacted area and provide remediation oversight. Based on the footprint of the impacts from the initial site assessment, the consultant recommended the submission of a C-141 to be in full compliance of NMAC 19.15.29.

State of New Mexico  
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" 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: <u>Chase Settle</u> Title: <u>Rep Safety &amp; Environmental Sr</u> Signature: <u>Chase Settle</u> Date: <u>07/17/2023</u> email: <u>Chase_Settle@eogresources.com</u> Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b> Received by: <u>Shelly Wells</u> Date: <u>7/17/2023</u>

Incident ID	nAPP2319835371
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## 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>97.65</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 <b>not</b> 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.

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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: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 10/13/2023  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Shelly Wells Date: 10/13/2023

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## Remediation Plan

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

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

**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: Chase Settle Title: Rep Safety & Environmental Sr  
 Signature: Chase Settle Date: 10/13/2023  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Shelly Wells Date: 10/13/2023

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2319835371
District RP	
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## 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: Chase Settle Title: Rep Safety & Environmental Sr  
 Signature: Chase Settle Date: 10/26/2023  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Shelly Wells Date: 10/27/2023

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



701 Tradewinds Blvd  
Midland, Texas 79707  
Tel. 432-766-1918  
www.ntgenvironmental.com

October 26, 2023

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

**Re: Site Characterization and Closure Request  
Cotton MX Federal Com #1  
EOG Resources, Inc.  
Incident ID: nAPP2319835371  
Letter C, Sec. 14, T19S, R25E  
Eddy County, New Mexico**

## 1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of EOG Resources, Inc. (EOG), submits this Site Characterization and Closure Request to the NMOCD District 2 Office in Artesia, New Mexico. This report provides documentation of initial soil delineation, sampling, analysis, and remediation activities conducted to date in the affected areas at the EOG Cotton MX Federal Com #1 (Site). The Site is located in Unit Letter C, Section 14 of Township 19 South and Range 25 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.66593° N Latitude and 104.45695° W Longitude. Figures 1 and 2 depict the Site location. The initial delineation sample points are depicted on Figure 3.

## 2. Background

A C-141, Release Notification, for this release was submitted to the NMOCD on July 17, 2023. The C-141 stated that during plugging activities historical impacts were discovered in the vicinity of the wellhead. Due to these impacts being historical, there is no known release volume or material type.

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAPP2319835371. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 are attached to the front of this report.

Mr. Mike Bratcher  
 October 26, 2023  
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### 3. Groundwater and Site Characterization

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release (Table I), from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

The area is located in an area of medium karst potential. Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, one (1) groundwater well exists within a ½-mile radius of the site. The nearest water well is 0.31 miles southwest of the site and was gauged for depth to groundwater on January 13, 2015. The measured depth to groundwater was 97.65 feet. The Site characterization documentation (NM Oil and Gas Map, Points of Diversion, Distance to USGS Well Map, USGS Well Information, Significant Watercourse Map, Wetlands Map, and FEMA Map) are provided as Attachment A. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area with a depth to groundwater between fifty-one (51) feet and a hundred (100) feet and meets the Closure Criteria for depth to groundwater for fifty-one (51) feet but less than a hundred (100) feet in Table I.

*General Site Characterization and Groundwater: Table 3.1*

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	97.65ft

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+DRO)	Total 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
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

### 4. Initial Excavation and Soil Delineation Assessment Summary and Findings

This site has a depth to groundwater of greater than fifty-one feet but less than one-hundred feet. Additionally, since it is a historical release with an unknown volume released, the site must be delineated, but not remediated, to the strictest standards for groundwater less than fifty (50) feet bgs.

Mr. Mike Bratcher  
October 26, 2023  
Page 3 of 4

On May 15, 2023, NTGE conducted initial assessment activities to assess the extent of impacts at the Cotton MX Federal #1 (Site). A total of four (4) sample points (H-1 through H-4) were installed to characterize the extent of impact of the release. Soil samples were collected in half foot intervals from depths of zero (0) to one half (0.5) feet below ground surface (bgs). All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015B Modified, and chloride by EPA Method SM4500 by Cardinal Laboratories (Cardinal) in Hobbs, New Mexico. Analytical results from NTGE's assessment indicated that TPH concentrations exceeded the Table I Closure Criteria in H-3 and reclamation limits in H-2 and H-4.

On June 28, 2023, NTGE returned to the site to further delineate the impacted area. The site was excavated to a depth of four (4) feet ft bgs and four (4) sidewall soil samples were collected (SW-1 through SW-4) to characterize the impact. Soil samples were collected from surface to four (4) ft bgs and submitted for analysis of BTEX by EPA Method 8021B, TPH by EPA Method 8015B Modified, and chloride by EPA Method 300.0 by Hall Environmental Analysis Laboratories (Hall) in Albuquerque, New Mexico. Analytical results from NTGE's assessment indicated that all four (4) samples exceeded the chlorides concentrations, while SW-1 through SW-3 exceeded the TPH concentrations as established in Table I Closure Criteria.

On September 21, 2023, NTGE was onsite to further delineate the impacted area. A total of six (6) trenches (DT-1 through DT-6) were extended to depths ranging from six (6) to twenty (20) ft bgs in order to complete delineation of the impacted soils. Soil samples were submitted to Cardinal for analysis of BTEX by EPA Method 8021B, TPH by EPA Method 8015B Modified, and chloride by EPA Method SM4500. Analytical results from NTGE's assessment indicated that all samples were below the Table I Closure Criteria for this site. DT-6 exhibited chloride concentrations above the Table I Closure Criteria for depth to groundwater less than fifty (50) feet. On September 28, 2023, DT-6 was trenched further in depth and a sample was collected at twenty-six (26) feet bgs. The twenty-six (26) foot sample exhibited benzene, BTEX, TPH, and chloride concentrations below the strictest Closure Criteria.

Figure 3, Site Delineation Sample Map, depicts the outline of the suspected release area and delineation sample locations. Analytical results are provided on Table 1, Summary of Soil Analytical Data, and in the Laboratory Analytical Reports and Chain-of-Custody Documentation provided in Attachment D. A Photographic Log is provided in Attachment C.

## 5. Remedial Action Activities and Confirmation Sampling

On June 14, 2023, NTGE and Standard Safety and Supply (Standard) mobilized to the site to begin remediation activities. Areas were excavated from four (4) feet to ten (10) feet in depth based on initial assessment results and field screenings. All samples collected represented an area no greater than 200 square feet.

Between August 10 and October 4, 2023, NTGE collected eighty-two (82) bottom hole confirmation samples (CS-1 through CS-82), along with fifteen (15) sidewall samples (SW-

Mr. Mike Bratcher  
October 26, 2023  
Page 4 of 4

1 through SW-15). The confirmation samples were submitted to either Envirotech Laboratories of Farmington, NM or Cardinal Lab for analysis of BTEX, TPH, and chloride. Analytical results indicated CS-24, CS-25, CS-50, SW-2 through SW-8, SW-13 and SW-14, exceeded chloride and/or TPH concentrations established in Table 1 Closure Criteria. Impacted areas that were identified in this confirmation sampling were then further excavated.

Between August 22 and October 4, 2023, after further remedial efforts, NTGE returned to the site to collect three (3) base confirmation samples (CS-24A, CS-25A, and CS-50A) along with nine (9) sidewall samples (SW-2A through SW-8A, SW13A, and SW-14A). The confirmation samples were submitted to Cardinal for analysis of BTEX, TPH, and chloride. Analytical results indicated that SW-14A exceeded chloride concentrations while all other samples exhibited analyte concentrations that were below Table 1 Closure Criteria.

After further excavation, NTGE was onsite October 13, 2023, to collect one (1) base confirmation sample (CS-83) and three (3) wall sidewall samples (SW-14B, SW-16, and SW-17). The confirmation samples were submitted to Cardinal for analysis of BTEX, TPH, and chloride. Analytical results indicated that all concentrations were below the Table 1 Closure Criteria.

The excavation extent and confirmation sample locations are shown in Figure 4, Site Confirmation Sampling Map. Analytical results of the confirmation samples are included in Table 2, and in the Laboratory Analytical Reports provided in Attachment D. A Photographic Log is provided as Attachment C and Confirmation Sampling Notifications are provided as Attachment B.

## 6. Waste Management and Backfill Activities

Waste management activities were performed in accordance with EOG directives. EOG obtained regulatory approval via the successful processing of form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (WM-1-035), Lea Land, LLC facility located at MM 64, Highway 62/180 East, Carlsbad, NM, 88220. Approximately 2,850.06 tons of impacted soil were disposed at Lea Land, LLC, via waste manifests from August 9 through October 13, 2023. The waste manifests are available upon request and aren't included in this report due to file size.

As of this report, the site has not been backfilled. However, at a later date the site will be backfilled with like-sourced materials and the site brought back up to grade and recontoured to match the surrounding topography.

## 7. Closure Request

Based on the assessment, remediation efforts, and requisite confirmation sampling, the Site is in compliance with the NMOCD regulatory standards. Based on the supporting documentation provided in this report, NTGE, on behalf of EOG respectfully requests closure for release number nAPP2319835371. The Release Notification, Site

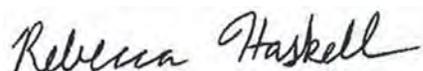
Mr. Mike Bratcher  
October 26, 2023  
Page 5 of 4

Assessment/Characterization, Remediation Plan, and Closure portion of the NMOCD form C-141 are included at the front of this report.

If you have any questions regarding this report or need additional information, please contact us at 432-766-1918.

Sincerely,

NTG Environmental



Becky Haskell  
Senior Project Manager

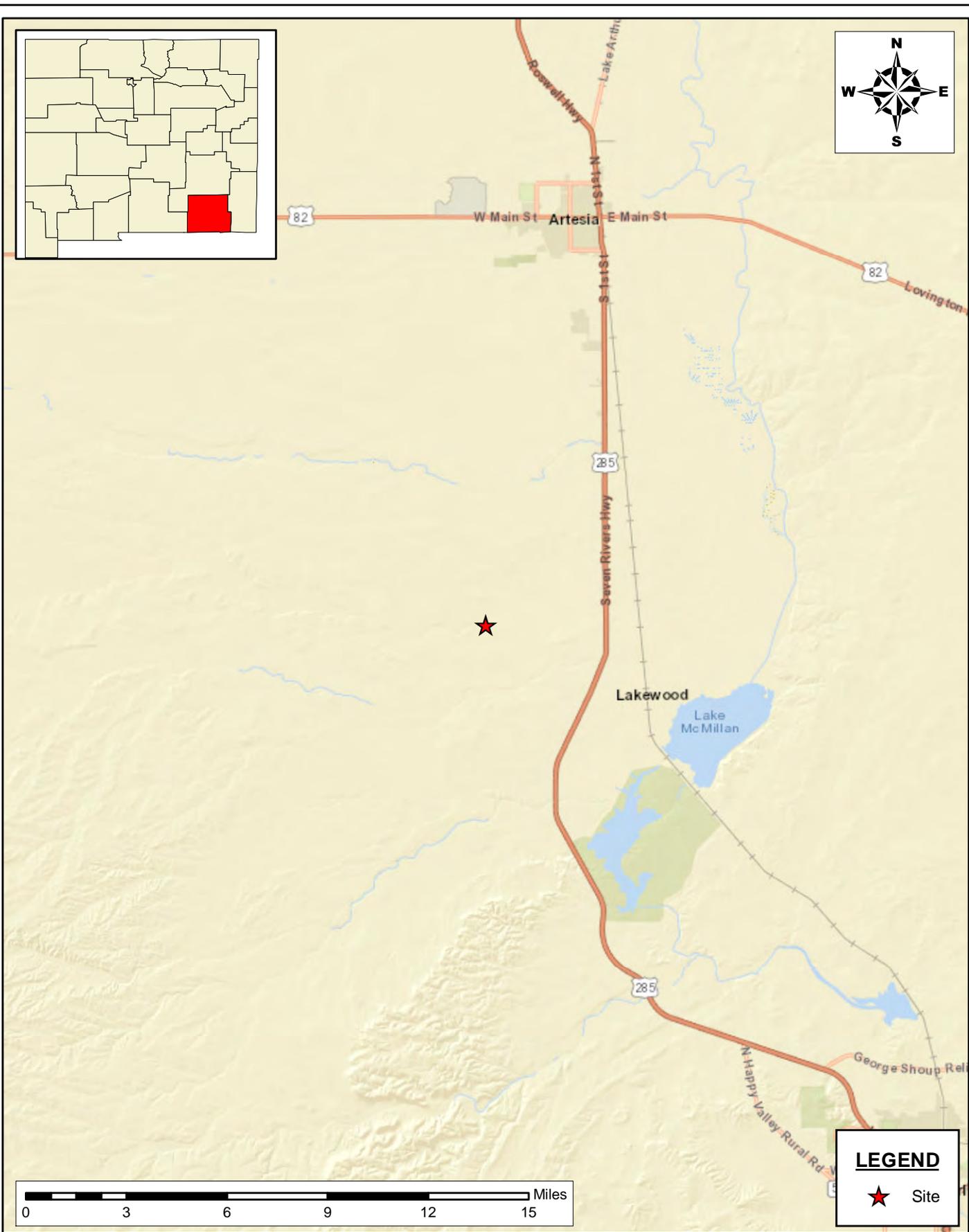
Attachments:

- Figure 1: Site Location Map
- Figure 2: Topographic Map
- Figure 3: Site Delineation Sample Map
- Figure 4: Site Confirmation Sample Map
- Table 1: Summary of Soil Analytical Data – Delineation Samples
- Table 2: Summary of Soil Analytical Data – Confirmation Samples
- Appendix A: Site Characterization Documentation
- Appendix B: Confirmation Sampling Notifications
- Appendix C: Photographic Log
- Appendix D: Laboratory Analytical Reports and Chain-of-Custody Documentation

## **FIGURES**

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**SITE LOCATION MAP  
REMEDIAL ACTION REPORT**  
 EOG RESOURCES, INC  
 COTTON MX FEDERAL #1  
 EDDY COUNTY, NEW MEXICO  
 32.665635,° -104.457028°

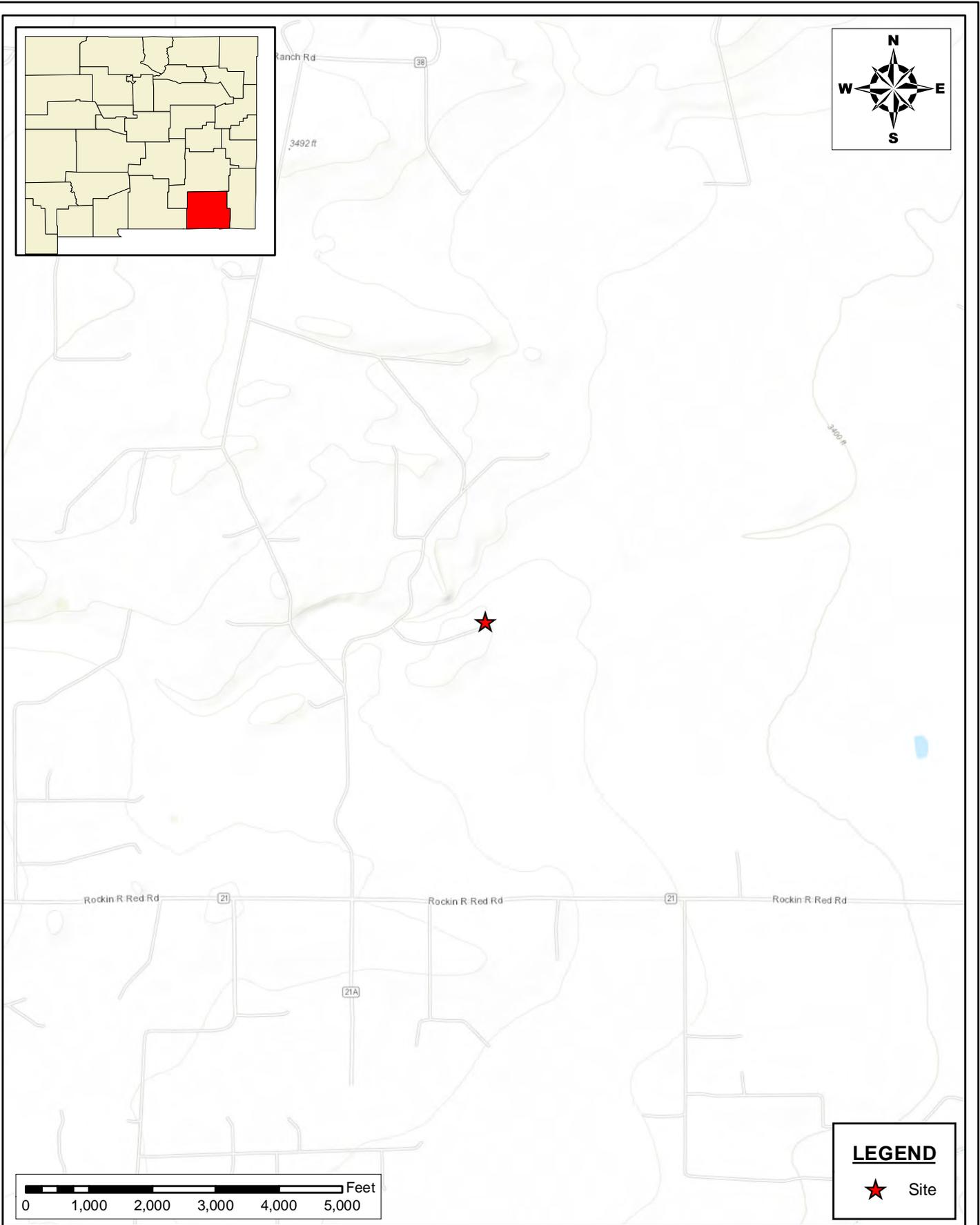
SCALE: As Shown    Date: 10/11/2023    PROJECT #: 237303

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

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

DRAWING NUMBER:  
**FIGURE 1**  
 SHEET NUMBER:  
**1 of 1**

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**TOPOGRAPHIC MAP  
REMEDIAL ACTION REPORT**  
 EOG RESOURCES, INC  
 COTTON MX FEDERAL #1  
 EDDY COUNTY, NEW MEXICO  
 32.665635,° -104.457028°

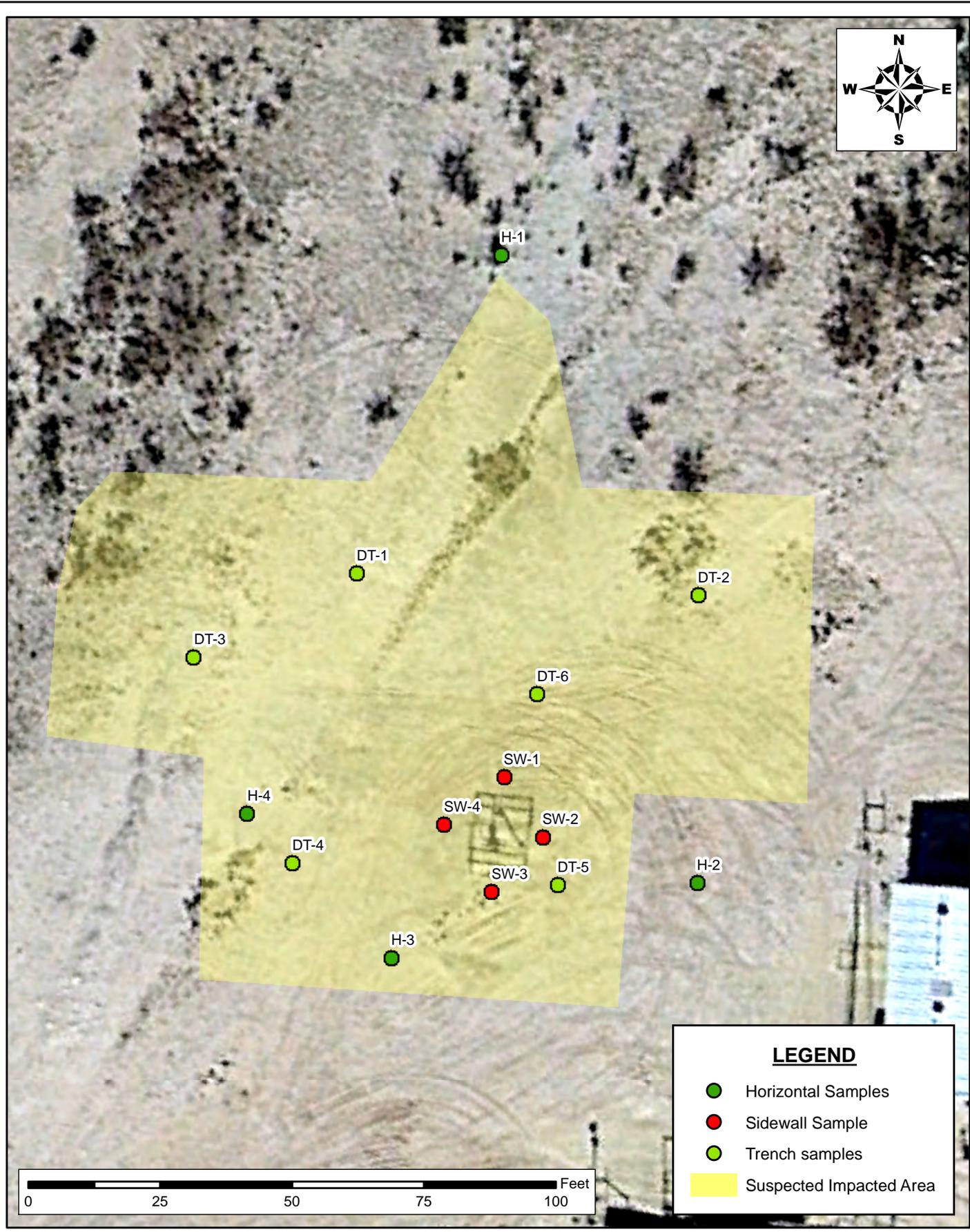
SCALE: As Shown    Date: 10/11/2023    PROJECT #: 237303

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

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

DRAWING NUMBER:  
**FIGURE 2**  
 SHEET NUMBER:  
**1 of 1**

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**LEGEND**

- Horizontal Samples
- Sidewall Sample
- Trench samples
- Suspected Impacted Area

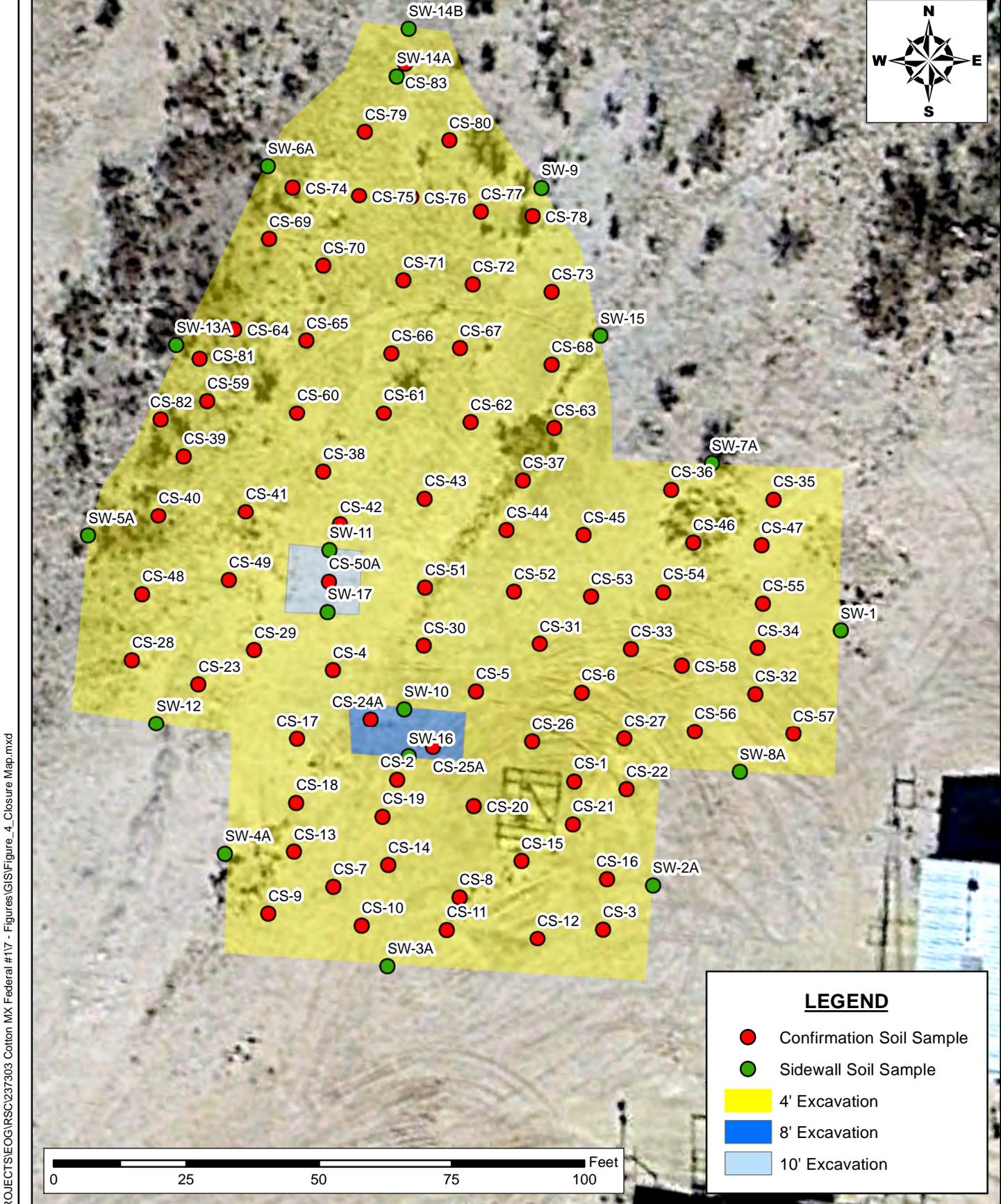
**PURPOSED EXCAVATION MAP**  
**SITE CHARACTERIZATION AND REMEDIATION UPDATE REPORT**  
 EOG RESOURCES, INC  
 COTTON MX FEDERAL #1  
 EDDY COUNTY, NEW MEXICO  
 32.665635,° -104.457028°

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

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

DRAWING NUMBER:  
**FIGURE 3**  
 SHEET NUMBER:  
**1 of 1**

SCALE: AS SHOWN    DATE: 10/12/2023    PROJECT #: 237303



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**SITE CONFIRMATION SAMPLING MAP**  
**SITE CHARACTERIZATION AND REMEDIATION UPDATE REPORT**  
 EOG RESOURCES, INC  
 COTTON MX FEDERAL #1  
 EDDY COUNTY, NEW MEXICO  
 32.665635° -104.457028°

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

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

DRAWING NUMBER:  
**FIGURE 4**  
 SHEET NUMBER:  
**1 of 1**

**TABLES**

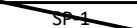
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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Cotton MX Federal #1**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil >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
<b>Initial Horizontal Assessment Samples</b>													
H-1	5/15/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-2	5/15/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
H-3	5/15/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,550	2,550	2,480	5,030	1,400
H-4	5/15/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	88.9	88.9	48.3	137.2	416.0
<b>Sidewall Delineation Samples</b>													
SW-1	6/28/2023	(0-4')	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	1,200	1,200	2,900	4,100	11,000
SW-2	6/28/2023	(0-4')	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	92	92	230	328	15,000
SW-3	6/28/2023	(0-4')	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	110	110	280	390	31,000
SW-4	6/28/2023	(0-4')	<0.024	<0.048	<0.048	<0.095	<0.0995	<4.8	<9.7	<9.7	<47	<47	13,000
<b>Additional Vertical Delineation Samples</b>													
DT-1	9/21/2023	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
DT-2	9/21/2023	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
DT-3	9/21/2023	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
DT-4	9/21/2023	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
DT-5	9/21/2023	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
DT-6	9/21/2023	20'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
DT-6	9/28/2023	26'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.8	14.8	<10.0	14.8	512

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
- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

 Sample Point Excavated

**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Cotton MX Federal #1**  
**EOG Resources**  
**Eddy 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)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
<b>Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC</b>													
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,500 mg/kg	---	2,500mg/kg	10,000 mg/kg
<b>Base Confirmation Samples</b>													
CS-1	9/29/2023	4'	<0.0500	<0.0500	<0.0500	<0.1500	<0.3000	<10.0	<10.0	<10.0	<10.0	<10.0	2,480
CS-2	9/29/2023	4'	<0.0500	<0.0500	<0.0500	<0.1500	<0.3000	<10.0	<10.0	<10.0	<10.0	<10.0	2,360
CS-3	8/10/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	43.2	43.2	<50.0	43.2	622
CS-4	8/10/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,300
CS-5	8/10/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	7,660
CS-6	8/10/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,090
CS-7	8/10/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	431
CS-8	8/10/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
CS-9	8/17/2023	4'	<0.0250	0.0255	<0.0250	0.0765	0.102	<20.0	<25.0	<25.0	<50.0	<50.0	676
CS-10	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	564
CS-11	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,260
CS-12	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,570
CS-13	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	990
CS-14	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	55.8	55.8	80.2	136	1,250
CS-15	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	5,460
CS-16	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	3,650
CS-17	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	800
CS-18	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,920
CS-19	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,340
CS-20	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	4,550
CS-21	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,710
CS-22	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	480
CS-23	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	3,320
<del>CS-24</del>	<del>8/17/2023</del>	<del>4'</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;20.0</del>	<del>&lt;25.0</del>	<del>&lt;25.0</del>	<del>&lt;50.0</del>	<del>&lt;50.0</del>	11,900
CS-24A	8/28/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
<del>CS-25</del>	<del>8/17/2023</del>	<del>4'</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;20.0</del>	<del>169</del>	<del>169</del>	<del>542</del>	<del>711</del>	19,700
CS-25A	8/28/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,560
CS-26	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	35.2	35.2	<50.0	35.2	6,980
CS-27	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	5,700
CS-28	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,300
CS-29	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,300
CS-30	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,080
CS-31	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,260
CS-32	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,970
CS-33	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	888
CS-34	8/17/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	918
CS-35	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-36	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	508	508	201	709	976
CS-37	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	81.3	81.3	42.0	123.3	1,470
CS-38	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,520
CS-39	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,460
CS-40	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
CS-41	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
CS-42	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800

**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Cotton MX Federal #1**  
**EOG Resources**  
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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)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
<b>Table 1 Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC</b>													
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,500 mg/kg	---	2,500mg/kg	10,000 mg/kg
CS-43	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.3	23.3	<10.0	23.3	1,680
CS-44	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	53.4	53.4	11.5	64.9	640
CS-45	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	53.7	53.7	16.2	69.9	1,120
CS-46	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.5	37.5	12.9	50.4	1,070
CS-47	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	397	397	187	584	1,260
CS-48	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,020
CS-49	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.2	15.2	<10.0	15.2	816
<del>CS-50</del>	<del>9/8/2023</del>	<del>4'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>4890</del>	<del>4890</del>	<del>194</del>	<del>5,084</del>	<del>880</del>
CS-50A	9/14/2023	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	183	183	<10.0	183	208
CS-51	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	279	279	104	383	880
CS-52	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.1	75.1	19.9	95	304
CS-53	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
CS-54	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-55	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-56	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-57	9/8/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-58	9/14/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-59	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,000
CS-60	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040
CS-61	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.2	47.2	15.3	62.5	1,680
CS-62	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	117	117	40.7	157.7	1,520
CS-63	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	139	139	40.7	171.8	2,030
CS-64	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,470
CS-65	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,250
CS-66	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.3	28.3	<10.0	28.3	1,390
CS-67	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	101	101	37.0	138	1,520
CS-68	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,890
CS-69	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,600
CS-70	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,360
CS-71	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,550
CS-72	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,650
CS-73	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,680
CS-74	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,030
CS-75	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,200
CS-76	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,140
CS-77	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,340
CS-78	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,020
CS-79	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	43.1	43.1	23.8	66.9	1,070
CS-80	10/2/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
CS-81	10/4/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,920
CS-82	10/4/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,720
CS-83	10/13/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070
<b>Sidewall Samples</b>													
SW-1	8/10/2023	(0-4')	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	493
<del>SW-2</del>	<del>8/10/2023</del>	<del>(0-4')</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;20.0</del>	<del>&lt;25.0</del>	<del>&lt;25.0</del>	<del>&lt;50.0</del>	<del>&lt;50.0</del>	<del>637</del>

**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Cotton MX Federal #1**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								10 mg/kg	---	---	---	---	
SW-2A	8/22/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
<del>SW-3</del>	<del>8/10/2023</del>	<del>(0-4')</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;20.0</del>	<del>&lt;25.0</del>	<del>&lt;25.0</del>	<del>&lt;50.0</del>	<del>&lt;50.0</del>	<del>800</del>
SW-3A	8/24/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
<del>SW-4</del>	<del>8/10/2023</del>	<del>(0-4')</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;20.0</del>	<del>103</del>	<del>103</del>	<del>110</del>	<del>213</del>	<del>595</del>
SW-4A	8/24/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
<del>SW-5</del>	<del>8/11/2023</del>	<del>(0-4')</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;20.0</del>	<del>45.7</del>	<del>45.7</del>	<del>&lt;50.0</del>	<del>45.7</del>	<del>761</del>
SW-5A	8/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
<del>SW-6</del>	<del>8/10/2023</del>	<del>(0-4')</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.025</del>	<del>&lt;0.025</del>	<del>&lt;20.0</del>	<del>&lt;25.0</del>	<del>&lt;25.0</del>	<del>&lt;50.0</del>	<del>&lt;50.0</del>	<del>752</del>
SW-6A	10/2/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
<del>SW-7</del>	<del>8/10/2023</del>	<del>(0-4')</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.025</del>	<del>&lt;0.025</del>	<del>&lt;20.0</del>	<del>&lt;25.0</del>	<del>&lt;25.0</del>	<del>&lt;50.0</del>	<del>&lt;50.0</del>	<del>1,070</del>
SW-7A	9/7/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
<del>SW-8</del>	<del>8/17/2023</del>	<del>(0-4')</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.0250</del>	<del>&lt;0.025</del>	<del>&lt;0.025</del>	<del>&lt;20.0</del>	<del>&lt;25.0</del>	<del>&lt;25.0</del>	<del>&lt;50.0</del>	<del>&lt;50.0</del>	<del>650</del>
SW-8A	9/7/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-9	10/2/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-10	9/7/2023	(4-8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-11	9/14/2023	(4-10')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-12	9/14/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
<del>SW-13</del>	<del>10/2/2023</del>	<del>(0-4')</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>1,070</del>
SW-13A	10/4/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
<del>SW-14</del>	<del>10/2/2023</del>	<del>(0-4')</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>1,340</del>
<del>SW-14A</del>	<del>10/4/2023</del>	<del>(0-4')</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>976</del>
SW-14B	10/13/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
SW-15	10/2/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-16	10/13/2023	(4-8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-17	10/13/2023	(4-10')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

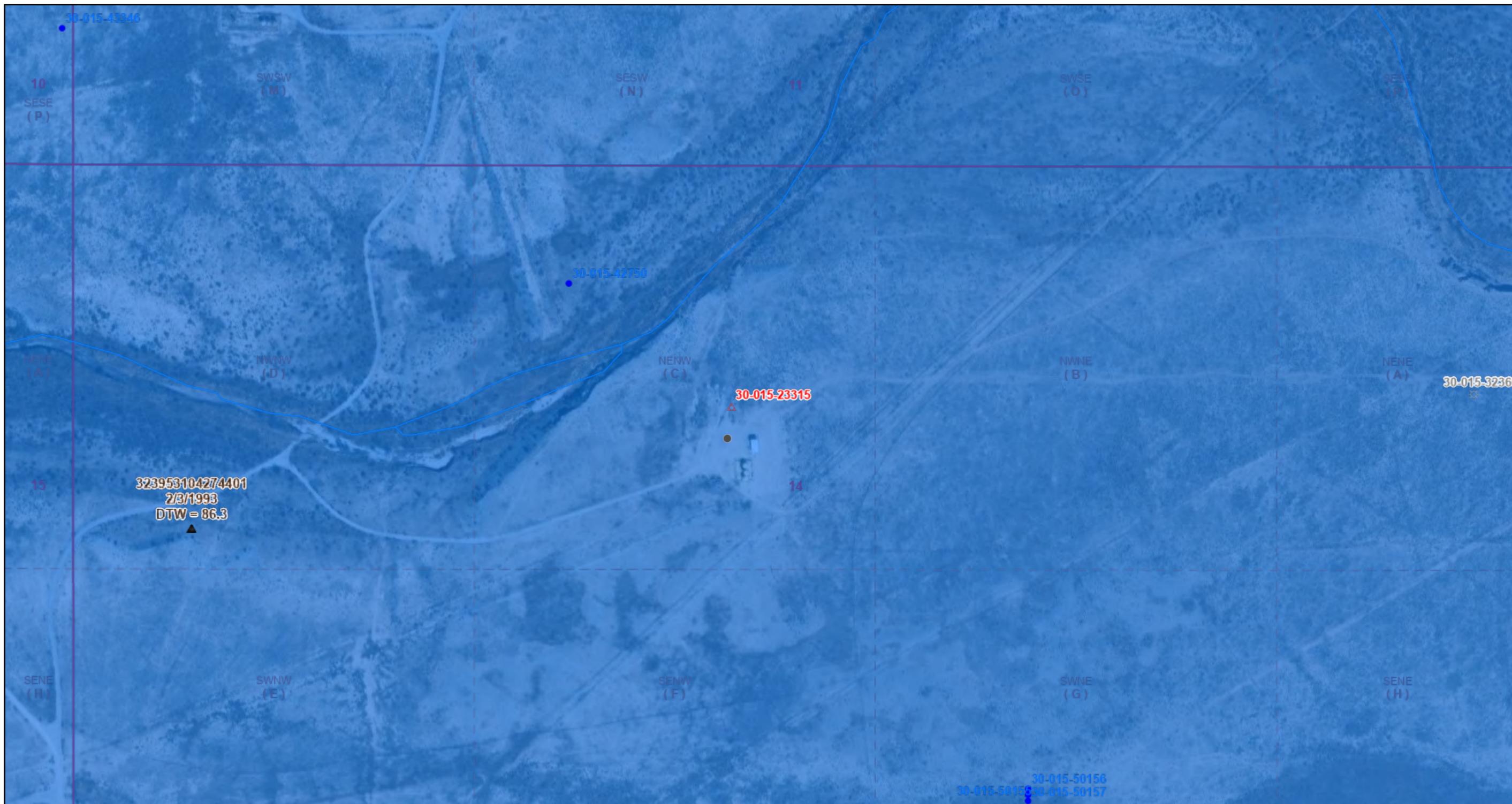
Notes:

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
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

~~SP-1~~ Sample Point Excavated

**APPENDIX A: SITE CHARACTERIZATION DOCUMENTATION**

# Site Characterization



8/7/2023, 3:36:54 PM

Wells - Large Scale

☼ Gas, Cancelled

● Oil, New

▲ Salt Water Injection, Plugged

▲ USGS Historical GW Wells

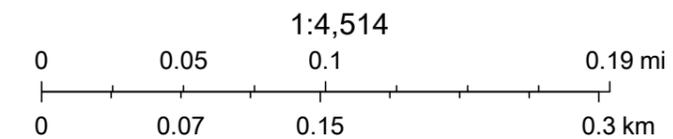
Karst Occurrence Potential

Medium

OSE Streams

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, HERE, Garmin, iPC, Maxar, NM OSE, BLM

# OSE POD Locations Map



8/7/2023, 3:48:16 PM

GIS WATERS PODs

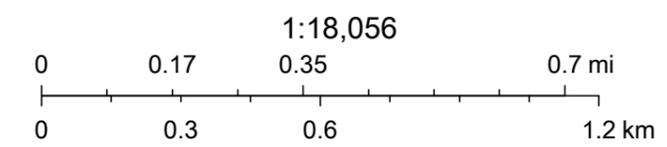
- Active
- 
- OSE District Boundary

Water Right Regulations

- Closure Area
- Both Estates

NHD Flowlines

- Connector
- Stream River
- SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measur
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Groundwater United States GO

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Groundwater levels for the Nation

**!** Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

Agency code = usgs  
 site\_no list = 

- 323953104274401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 323953104274401 19S.25E.14.133131

Eddy County, New Mexico

Latitude 32°39'53", Longitude 104°27'44" NAD27

Land-surface elevation 3,433 feet above NAVD88

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measur
1979-03-27			D 62610		3345.47	NGVD29	1		Z	
1979-03-27			D 62611		3347.04	NAVD88	1		Z	
1979-03-27			D 72019	85.96			1		Z	
1989-01-30			D 62610		3349.25	NGVD29	1		Z	
1989-01-30			D 62611		3350.82	NAVD88	1		Z	
1989-01-30			D 72019	82.18			1		Z	
1990-02-26			D 62610		3348.61	NGVD29	1		S	
1990-02-26			D 62611		3350.18	NAVD88	1		S	
1990-02-26			D 72019	82.82			1		S	
1992-02-04			D 62610		3344.05	NGVD29	1		S	
1992-02-04			D 62611		3345.62	NAVD88	1		S	
1992-02-04			D 72019	87.38			1		S	
1993-02-03			D 62610		3345.13	NGVD29	1		S	
1993-02-03			D 62611		3346.70	NAVD88	1		S	
1993-02-03			D 72019	86.30			1		S	
1994-02-10			D 62610		3343.67	NGVD29	1		S	
1994-02-10			D 62611		3345.24	NAVD88	1		S	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measu
1994-02-10			D	72019	87.76		1	S		
1999-01-27			D	62610		3336.04	NGVD29	1	S	USGS
1999-01-27			D	62611		3337.61	NAVD88	1	S	USGS
1999-01-27			D	72019	95.39		1	S	USGS	
2003-01-24			D	62610		3338.17	NGVD29	1	S	USGS
2003-01-24			D	62611		3339.74	NAVD88	1	S	USGS
2003-01-24			D	72019	93.26		1	S	USGS	
2004-02-09			D	62610		3333.65	NGVD29	1	S	USGS
2004-02-09			D	62611		3335.22	NAVD88	1	S	USGS
2004-02-09			D	72019	97.78		1	S	USGS	
2005-02-03	16:45 UTC		m	62610		3340.01	NGVD29	1	S	NM001
2005-02-03	16:45 UTC		m	62611		3341.58	NAVD88	1	S	NM001
2005-02-03	16:45 UTC		m	72019	91.42		1	S	NM001	
2006-02-14	19:30 UTC		m	62610		3339.71	NGVD29	1	S	NM001
2006-02-14	19:30 UTC		m	62611		3341.28	NAVD88	1	S	NM001
2006-02-14	19:30 UTC		m	72019	91.72		1	S	NM001	
2007-02-09	18:00 UTC		m	62610		3339.08	NGVD29	1	S	NM001
2007-02-09	18:00 UTC		m	62611		3340.65	NAVD88	1	S	NM001
2007-02-09	18:00 UTC		m	72019	92.35		1	S	NM001	
2008-01-15	16:25 UTC		m	62610		3336.53	NGVD29	1	S	NM001
2008-01-15	16:25 UTC		m	62611		3338.10	NAVD88	1	S	NM001
2008-01-15	16:25 UTC		m	72019	94.90		1	S	NM001	
2010-01-21	17:00 UTC		m	62610		3326.97	NGVD29	1	S	NM001
2010-01-21	17:00 UTC		m	62611		3328.54	NAVD88	1	S	NM001
2010-01-21	17:00 UTC		m	72019	104.46		1	S	NM001	
2011-01-21	17:35 UTC		m	62610		3328.03	NGVD29	1	S	NM001
2011-01-21	17:35 UTC		m	62611		3329.60	NAVD88	1	S	NM001
2011-01-21	17:35 UTC		m	72019	103.40		1	S	NM001	
2012-01-05	15:45 UTC		m	62610		3327.74	NGVD29	1	S	NM001
2012-01-05	15:45 UTC		m	62611		3329.31	NAVD88	1	S	NM001
2012-01-05	15:45 UTC		m	72019	103.69		1	S	NM001	
2015-01-13	20:23 UTC		m	62610		3333.78	NGVD29	1	S	NM001
2015-01-13	20:23 UTC		m	62611		3335.35	NAVD88	1	S	NM001
2015-01-13	20:23 UTC		m	72019	97.65		1	S	NM001	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?	?	?	?
		Water-level date-time accuracy	Parameter code				Status	Method of measurement	Measuring agency	Source measu

Source of measurement S Measured by personnel of reporting agency.  
 Water-level approval status A Approved for publication -- Processing and review completed.

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**URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?**



Page Contact Information: [USGS Water Data Support Team](#)  
 Page Last Modified: 2023-08-07 16:52:06 EDT  
 0.28 0.23 nadww01

# Cotton MX

Significant Watercourse

## Legend

-  300 Foot Radius
-  Half Mile Radius



USGS 323953104274401 97.65'





# Cotton MX



August 7, 2023

### Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Other
- Freshwater Pond
- 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 FIRMette



104°27'44"W 32°40'12"N



## 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**
    - Cross Sections with 1% Annual Chance Water Surface Elevation
    - Coastal Transect
    - Base Flood Elevation Line (BFE)
    - Limit of Study
    - Jurisdiction Boundary
    - Coastal Transect Baseline
    - Profile Baseline
    - Hydrographic Feature
  - MAP PANELS**
    - Digital Data Available
    - No Digital Data Available
    - Unmapped
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

0 250 500 1,500 2,000 Feet

1:6,000

104°27'7"W 32°39'41"N

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 8/7/2023 at 5:13 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

## **APPENDIX B: CONFIRMATION SAMPLING NOTIFICATIONS**

**Grant Gardner**

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, August 2, 2023 6:19 PM  
**To:** ocd.enviro@emnrd.nm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, August 7, 2023, and continue through Friday, August 11, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Artesia Division**

**Grant Gardner**

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, August 9, 2023 2:36 PM  
**To:** ocd.enviro@emnrd.nm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, August 14, 2023, and continue through Friday, August 18, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



## Grant Gardner

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**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, August 16, 2023 4:07 PM  
**To:** ocd.enviro@emnrd.nm.gov; blm\_nm\_cfo\_spill@blm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, August 21, 2023, and continue through Friday, August 25, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



## Nicholas Hart

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, August 23, 2023 3:33 PM  
**To:** ocd.enviro@emnrd.nm.gov; blm\_nm\_cfo\_spill@blm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, August 28, 2023, and continue through Friday, September 1, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



## Nicholas Hart

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, August 30, 2023 3:28 PM  
**To:** ocd.enviro@emnrd.nm.gov; blm\_nm\_cfo\_spill@blm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, September 4, 2023, and continue through Friday, September 8, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



## Nicholas Hart

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, September 6, 2023 3:28 PM  
**To:** ocd.enviro@emnrd.nm.gov; blm\_nm\_cfo\_spill@blm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, September 11, 2023, and continue through Friday, September 15, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Artesia Division**

## Nicholas Hart

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, September 6, 2023 3:28 PM  
**To:** ocd.enviro@emnrd.nm.gov; blm\_nm\_cfo\_spill@blm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, September 11, 2023, and continue through Friday, September 15, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Artesia Division**

## Nicholas Hart

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, September 13, 2023 3:02 PM  
**To:** ocd.enviro@emnrd.nm.gov; blm\_nm\_cfo\_spill@blm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, September 18, 2023, and continue through Friday, September 22, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Grant Gardner**

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, September 20, 2023 1:39 PM  
**To:** ocd.enviro@emnrd.nm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, September 25, 2023, and continue through Friday, September 29, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Grant Gardner**

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, September 27, 2023 2:56 PM  
**To:** ocd.enviro@emnrd.nm.gov; blm\_nm\_cfo\_spill@blm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, October 2, 2023, and continue through Friday, October 6, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



## Nicholas Hart

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Wednesday, October 4, 2023 3:40 PM  
**To:** ocd.enviro@emnrd.nm.gov; blm\_nm\_cfo\_spill@blm.gov  
**Cc:** Artesia S&E Spill Remediation; Artesia Regulatory  
**Subject:** Cotton MX Federal 1 (nAPP2319835371) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Cotton MX Federal 1  
C-14-19S-25E  
Eddy County, NM  
nAPP2319835371

Sampling will begin at 9:00 a.m. on Monday, October 9, 2023, and continue through Friday, October 13, 2023.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**APPENDIX C: PHOTOGRAPHIC LOGS**

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# PHOTOGRAPHIC LOG

EOG Resources, INC

## Photograph No. 1

Facility: Cotton MX Fed Com #1

County: Eddy County, New Mexico

Description:  
View of initial release area.



## Photograph No. 2

Facility: Cotton MX Fed Com #1

County: Eddy County, New Mexico

Description:  
View of the excavation.



## Photograph No. 3

Facility: Cotton MX Fed Com #1

County: Eddy County, New Mexico

Description:  
View of the excavation.



# PHOTOGRAPHIC LOG

EOG Resources, INC

## Photograph No. 4

Facility: Cotton MX Fed Com #1

County: Eddy County, New Mexico

Description:  
View of the excavation.



## Photograph No. 5

Facility: Cotton MX Fed Com #1

County: Eddy County, New Mexico

Description:  
View of the excavation.



## Photograph No. 6

Facility: Cotton MX Fed Com #1

County: Eddy County, New Mexico

Description:  
View of the excavation.



# PHOTOGRAPHIC LOG

EOG Resources, INC

## Photograph No. 7

Facility: Cotton MX Fed Com #1

County: Eddy County, New Mexico

Description: View of the excavation.



## Photograph No. 8

Facility: Cotton MX Fed Com #1

County: Eddy County, New Mexico

Description: View of the excavation.



## Photograph No. 9

Facility: Cotton MX Fed Com #1

County: Eddy County, New Mexico

Description: View of the excavation.



**APPENDIX D: LABORATORY ANALYTICAL REPORTS AND CHAIN-  
OF-CUSTODY DOCUMENTATION**

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

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May 22, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON MX FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 05/17/23 12:05.

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](http://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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/15/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO, NM		

**Sample ID: H - 1 ( 0-0.5' ) (H232492-01)**

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	05/20/2023	ND	2.17	109	2.00	0.148	
Toluene*	<0.050	0.050	05/20/2023	ND	2.23	111	2.00	0.986	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.13	106	2.00	0.464	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.54	109	6.00	0.248	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	05/18/2023	ND	432	108	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	05/18/2023	ND	211	106	200	1.51	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	211	105	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/15/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO, NM		

**Sample ID: H - 2 ( 0-0.5' ) (H232492-02)**

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	05/20/2023	ND	2.17	109	2.00	0.148	
Toluene*	<0.050	0.050	05/20/2023	ND	2.23	111	2.00	0.986	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.13	106	2.00	0.464	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.54	109	6.00	0.248	
Total BTEX	<0.300	0.300	05/20/2023	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	704	16.0	05/18/2023	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	05/18/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/15/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO, NM		

**Sample ID: H - 3 ( 0-0.5' ) (H232492-03)**

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	05/20/2023	ND	2.17	109	2.00	0.148	
Toluene*	<0.050	0.050	05/20/2023	ND	2.23	111	2.00	0.986	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.13	106	2.00	0.464	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.54	109	6.00	0.248	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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
<b>Chloride</b>	<b>1400</b>	16.0	05/18/2023	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	05/19/2023	ND	220	110	200	0.527	
<b>DRO &gt;C10-C28*</b>	<b>2550</b>	10.0	05/19/2023	ND	217	109	200	1.93	
<b>EXT DRO &gt;C28-C36</b>	<b>2480</b>	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/15/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO, NM		

**Sample ID: H - 4 ( 0-0.5' ) (H232492-04)**

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	05/20/2023	ND	2.17	109	2.00	0.148	
Toluene*	<0.050	0.050	05/20/2023	ND	2.23	111	2.00	0.986	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.13	106	2.00	0.464	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.54	109	6.00	0.248	
Total BTEX	<0.300	0.300	05/20/2023	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
<b>Chloride</b>	<b>416</b>	16.0	05/18/2023	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	05/18/2023	ND	220	110	200	0.527	
<b>DRO &gt;C10-C28*</b>	<b>88.9</b>	10.0	05/18/2023	ND	217	109	200	1.93	
<b>EXT DRO &gt;C28-C36</b>	<b>48.3</b>	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Notes and Definitions**

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

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

July 10, 2023

Becky Haskell  
NTG Environmental  
701 Tradewinds Blvd.  
Suite c  
Midland, TX 79706  
TEL: (432) 766-1918  
FAX:

RE: Cotton MX

OrderNo.: 2306G38

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 4 sample(s) on 6/30/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2306G38**

Date Reported: 7/10/2023

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** NTG Environmental

**Client Sample ID:** SW-1(0-4')

**Project:** Cotton MX

**Collection Date:** 6/28/2023 10:00:00 AM

**Lab ID:** 2306G38-001

**Matrix:** SOIL

**Received Date:** 6/30/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	1200	98		mg/Kg	10	7/5/2023 9:25:05 AM
Motor Oil Range Organics (MRO)	2900	490		mg/Kg	10	7/5/2023 9:25:05 AM
Surr: DNOP	0	69-147	S	%Rec	10	7/5/2023 9:25:05 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>KMN</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2023 6:06:00 PM
Surr: BFB	96.2	15-244		%Rec	1	7/3/2023 6:06:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>KMN</b>
Benzene	ND	0.025		mg/Kg	1	7/3/2023 6:06:00 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2023 6:06:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2023 6:06:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/3/2023 6:06:00 PM
Surr: 4-Bromofluorobenzene	90.1	39.1-146		%Rec	1	7/3/2023 6:06:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>RBC</b>
Chloride	11000	600		mg/Kg	200	7/6/2023 11:09:04 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order **2306G38**

Date Reported: **7/10/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** NTG Environmental

**Client Sample ID:** SW-2(0-4')

**Project:** Cotton MX

**Collection Date:** 6/28/2023 10:05:00 AM

**Lab ID:** 2306G38-002

**Matrix:** SOIL

**Received Date:** 6/30/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	92	9.3		mg/Kg	1	7/5/2023 1:06:33 PM
Motor Oil Range Organics (MRO)	230	46		mg/Kg	1	7/5/2023 1:06:33 PM
Surr: DNOP	81.1	69-147		%Rec	1	7/5/2023 1:06:33 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>KMN</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2023 6:28:00 PM
Surr: BFB	94.5	15-244		%Rec	1	7/3/2023 6:28:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>KMN</b>
Benzene	ND	0.025		mg/Kg	1	7/3/2023 6:28:00 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2023 6:28:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2023 6:28:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/3/2023 6:28:00 PM
Surr: 4-Bromofluorobenzene	91.9	39.1-146		%Rec	1	7/3/2023 6:28:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>RBC</b>
Chloride	15000	1500		mg/Kg	500	7/6/2023 11:21:25 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order **2306G38**

Date Reported: **7/10/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** NTG Environmental

**Client Sample ID:** SW-3(0-4')

**Project:** Cotton MX

**Collection Date:** 6/28/2023 10:10:00 AM

**Lab ID:** 2306G38-003

**Matrix:** SOIL

**Received Date:** 6/30/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	110	9.9		mg/Kg	1	7/5/2023 1:28:00 PM
Motor Oil Range Organics (MRO)	280	50		mg/Kg	1	7/5/2023 1:28:00 PM
Surr: DNOP	79.5	69-147		%Rec	1	7/5/2023 1:28:00 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>KMN</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2023 6:50:00 PM
Surr: BFB	92.5	15-244		%Rec	1	7/3/2023 6:50:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>KMN</b>
Benzene	ND	0.024		mg/Kg	1	7/3/2023 6:50:00 PM
Toluene	ND	0.049		mg/Kg	1	7/3/2023 6:50:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2023 6:50:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2023 6:50:00 PM
Surr: 4-Bromofluorobenzene	91.6	39.1-146		%Rec	1	7/3/2023 6:50:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>RBC</b>
Chloride	31000	1500		mg/Kg	500	7/6/2023 11:33:45 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order **2306G38**

Date Reported: **7/10/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** NTG Environmental

**Client Sample ID:** SW-4(0-4')

**Project:** Cotton MX

**Collection Date:** 6/28/2023 10:15:00 AM

**Lab ID:** 2306G38-004

**Matrix:** SOIL

**Received Date:** 6/30/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/5/2023 1:49:25 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/5/2023 1:49:25 PM
Surr: DNOP	94.9	69-147		%Rec	1	7/5/2023 1:49:25 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>KMN</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/3/2023 7:12:00 PM
Surr: BFB	89.9	15-244		%Rec	1	7/3/2023 7:12:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>KMN</b>
Benzene	ND	0.024		mg/Kg	1	7/3/2023 7:12:00 PM
Toluene	ND	0.048		mg/Kg	1	7/3/2023 7:12:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/3/2023 7:12:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	7/3/2023 7:12:00 PM
Surr: 4-Bromofluorobenzene	91.1	39.1-146		%Rec	1	7/3/2023 7:12:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>RBC</b>
Chloride	13000	600		mg/Kg	200	7/6/2023 11:46:06 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2306G38

10-Jul-23

**Client:** NTG Environmental

**Project:** Cotton MX

Sample ID: <b>MB-75999</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>75999</b>	RunNo: <b>97962</b>								
Prep Date: <b>7/5/2023</b>	Analysis Date: <b>7/5/2023</b>	SeqNo: <b>3565068</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-75999</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>75999</b>	RunNo: <b>97962</b>								
Prep Date: <b>7/5/2023</b>	Analysis Date: <b>7/5/2023</b>	SeqNo: <b>3565069</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306G38

10-Jul-23

**Client:** NTG Environmental

**Project:** Cotton MX

Sample ID: <b>LCS-75967</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>75967</b>	RunNo: <b>97944</b>								
Prep Date: <b>7/3/2023</b>	Analysis Date: <b>7/5/2023</b>	SeqNo: <b>3563565</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	61.9	130			
Surr: DNOP	5.2		5.000		104	69	147			

Sample ID: <b>MB-75967</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>75967</b>	RunNo: <b>97944</b>								
Prep Date: <b>7/3/2023</b>	Analysis Date: <b>7/5/2023</b>	SeqNo: <b>3563567</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	69	147			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2306G38

10-Jul-23

**Client:** NTG Environmental

**Project:** Cotton MX

Sample ID: <b>ics-75950</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>75950</b>	RunNo: <b>97902</b>								
Prep Date: <b>6/30/2023</b>	Analysis Date: <b>7/3/2023</b>	SeqNo: <b>3561967</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.3	70	130			
Surr: BFB	2000		1000		203	15	244			

Sample ID: <b>mb-75950</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>75950</b>	RunNo: <b>97902</b>								
Prep Date: <b>6/30/2023</b>	Analysis Date: <b>7/3/2023</b>	SeqNo: <b>3561968</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.0	15	244			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2306G38

10-Jul-23

**Client:** NTG Environmental

**Project:** Cotton MX

Sample ID: <b>ics-75950</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>75950</b>		RunNo: <b>97902</b>							
Prep Date: <b>6/30/2023</b>	Analysis Date: <b>7/3/2023</b>		SeqNo: <b>3561991</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.5	70	130			
Toluene	0.91	0.050	1.000	0	90.5	70	130			
Ethylbenzene	0.92	0.050	1.000	0	91.9	70	130			
Xylenes, Total	2.7	0.10	3.000	0	91.4	70	130			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.8	39.1	146			

Sample ID: <b>mb-75950</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>75950</b>		RunNo: <b>97902</b>							
Prep Date: <b>6/30/2023</b>	Analysis Date: <b>7/3/2023</b>		SeqNo: <b>3561992</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.5	39.1	146			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: **NTG Environmental**      Work Order Number: **2306G38**      RcptNo: **1**

Received By: **Juan Rojas**      6/30/2023 7:30:00 AM *Juan Rojas*  
Completed By: **Tracy Casarrubias**      6/30/2023 10:08:20 AM  
Reviewed By: *Ju 6/30/23*

### Chain of Custody

- 1. Is Chain of Custody complete?      Yes       No       Not Present
- 2. How was the sample delivered?      Courier

### Log In

- 3. Was an attempt made to cool the samples?      Yes       No       NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C      Yes       No       NA
- 5. Sample(s) in proper container(s)?      Yes       No
- 6. Sufficient sample volume for indicated test(s)?      Yes       No
- 7. Are samples (except VOA and ONG) properly preserved?      Yes       No
- 8. Was preservative added to bottles?      Yes       No       NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA?      Yes       No       NA
- 10. Were any sample containers received broken?      Yes       No
- 11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody)      Yes       No
- 12. Are matrices correctly identified on Chain of Custody?      Yes       No
- 13. Is it clear what analyses were requested?      Yes       No
- 14. Were all holding times able to be met?  
(If no, notify customer for authorization.)      Yes       No

# of preserved bottles checked for pH:   
(<2 or >12 unless noted)  
Adjusted?   
Checked by: *SCM 06/30/23*

### Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order?      Yes       No       NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Yes	Yogi		

### Chain of Custody



Work Order No: 2306638

Page 1 of 1

Project Manager:	Becky Haskell	Bill to: (if different)	Chase Settle
Company Name:	NTG Environmental	Company Name:	EOG
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	Cotton MX	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush															None: NO	DI Water: H <sub>2</sub> O	
Project Location	Eddy County	Due Date:		Parameters	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	HOLD	Cool: Cool		MeOH: Me		HCL: HC		HNO <sub>3</sub> : HN		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm							H <sub>3</sub> PO <sub>4</sub> : HP		NaHSO <sub>4</sub> : NABIS		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		Zn Acetate+NaOH: Zn		NaOH+Ascorbic Acid: SAPC			
PO #:									Sample Comments											
SAMPLE RECEIPT		Temp Blank:	Yes No						Wet Ice:	Yes No										
Received Intact:	Yes No	Thermometer ID:																		
Cooler Custody Seals:	Yes No N/A	Correction Factor:																		
Sample Custody Seals:	Yes No N/A	Temperature Reading:																		
Total Containers:	4	Corrected Temperature:																		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont														
SW-1 (0-4')	6/28/2023	10:00	x		Comp	1	x	x	x										001	
SW-2 (0-4')	6/28/2023	10:05	x		Comp	1	x	x	x										002	
SW-3 (0-4')	6/28/2023	10:10	x		Comp	1	x	x	x										003	
SW-4 (0-4')	6/28/2023	10:15	x		Comp	1	x	x	x										004	

**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 \$86.00 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
		6/28/23 9:10			
		6/30/23 7:30			

Temp. 7.1 to 12.2  
409

Report to:  
Becky Haskell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### NTG-New Tech Global Environmental

Project Name: Cotton MX

Work Order: E308086

Job Number: 19034-0001

Received: 8/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/17/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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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: 8/17/23



Becky Haskell  
911 Regional Park Dr.  
Houston, TX 77060

Project Name: Cotton MX  
Workorder: E308086  
Date Received: 8/14/2023 8:15:00AM

Becky Haskell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/14/2023 8:15:00AM, under the Project Name: Cotton MX.

The analytical test results summarized in this report with the Project Name: Cotton MX 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,

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### Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 08/17/23 14:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-3 (4')	E308086-01A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
CS-4 (4')	E308086-02A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
CS-5 (4')	E308086-03A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
CS-6 (4')	E308086-04A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
CS-7 (4')	E308086-05A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
CS-8 (4')	E308086-06A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
SW-1 (0-4')	E308086-07A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
SW-2 (0-4')	E308086-08A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
SW-3 (0-4')	E308086-09A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
SW-4 (0-4')	E308086-10A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
SW-6 (0-4')	E308086-11A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.
SW-7 (0-4')	E308086-12A	Soil	08/10/23	08/14/23	Glass Jar, 4 oz.



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**CS-3 (4')  
E308086-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/14/23
Ethylbenzene	ND	0.0250	1	08/14/23	08/14/23
Toluene	ND	0.0250	1	08/14/23	08/14/23
o-Xylene	ND	0.0250	1	08/14/23	08/14/23
p,m-Xylene	ND	0.0500	1	08/14/23	08/14/23
Total Xylenes	ND	0.0250	1	08/14/23	08/14/23

<i>Surrogate: Bromofluorobenzene</i>	103 %	70-130		08/14/23	08/14/23
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.7 %	70-130		08/14/23	08/14/23
<i>Surrogate: Toluene-d8</i>	97.5 %	70-130		08/14/23	08/14/23

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/14/23
<i>Surrogate: Bromofluorobenzene</i>	103 %	70-130		08/14/23	08/14/23
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.7 %	70-130		08/14/23	08/14/23
<i>Surrogate: Toluene-d8</i>	97.5 %	70-130		08/14/23	08/14/23

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	43.2	25.0	1	08/14/23	08/16/23
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23
<i>Surrogate: n-Nonane</i>	95.5 %	50-200		08/14/23	08/16/23

<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2333013
Chloride	622	20.0	1	08/14/23	08/15/23



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**CS-4 (4')**

**E308086-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		98.5 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2333013
Chloride	<b>2300</b>	20.0	1	08/14/23	08/15/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**CS-5 (4')  
E308086-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		94.3 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2333013
Chloride	7660	200	10	08/14/23	08/15/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**CS-6 (4')**

**E308086-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/14/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/14/23	
Toluene	ND	0.0250	1	08/14/23	08/14/23	
o-Xylene	ND	0.0250	1	08/14/23	08/14/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/14/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/14/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/14/23	08/14/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	08/14/23	08/14/23	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	08/14/23	08/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/14/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/14/23	08/14/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	08/14/23	08/14/23	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	08/14/23	08/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2333013
Chloride	1090	20.0	1	08/14/23	08/16/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**CS-7 (4')  
E308086-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		97.6 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2333013
Chloride	431	20.0	1	08/14/23	08/16/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**CS-8 (4')**

**E308086-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		99.9 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2333013
Chloride	ND	20.0	1	08/14/23	08/16/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**SW-1 (0-4')**

**E308086-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		99.0 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2333013
Chloride	493	20.0	1	08/14/23	08/16/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**SW-2 (0-4')**

**E308086-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333013
Chloride	637	20.0	1	08/14/23	08/16/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**SW-3 (0-4')**

**E308086-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2333013
Chloride	800	20.0	1	08/14/23	08/16/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**SW-4 (0-4')**

**E308086-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	<b>103</b>	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	<b>110</b>	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333013
Chloride	<b>595</b>	20.0	1	08/14/23	08/16/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**SW-6 (0-4')**

**E308086-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2333013
Chloride	752	20.0	1	08/14/23	08/16/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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**SW-7 (0-4')**

**E308086-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2333015
Benzene	ND	0.0250	1	08/14/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/15/23	
Toluene	ND	0.0250	1	08/14/23	08/15/23	
o-Xylene	ND	0.0250	1	08/14/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2333015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/15/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/14/23	08/15/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	08/14/23	08/15/23	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	08/14/23	08/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333017
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/16/23	
<i>Surrogate: n-Nonane</i>		96.9 %	50-200	08/14/23	08/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333013
Chloride	1070	20.0	1	08/14/23	08/16/23	



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	Reported: 8/17/2023 2:06:19PM
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#### Volatile Organic Compounds by EPA 8260B

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 (2333015-BLK1)

Prepared: 08/14/23 Analyzed: 08/14/23

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	0.501		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3		70-130		
Surrogate: Toluene-d8	0.513		0.500		103		70-130		

#### LCS (2333015-BS1)

Prepared: 08/14/23 Analyzed: 08/14/23

Benzene	2.87	0.0250	2.50		115		70-130		
Ethylbenzene	2.64	0.0250	2.50		106		70-130		
Toluene	2.75	0.0250	2.50		110		70-130		
o-Xylene	2.86	0.0250	2.50		115		70-130		
p,m-Xylene	5.65	0.0500	5.00		113		70-130		
Total Xylenes	8.51	0.0250	7.50		113		70-130		
Surrogate: Bromofluorobenzene	0.512		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8		70-130		
Surrogate: Toluene-d8	0.508		0.500		102		70-130		

#### Matrix Spike (2333015-MS1)

Source: E308086-04

Prepared: 08/14/23 Analyzed: 08/14/23

Benzene	2.67	0.0250	2.50	ND	107		48-131		
Ethylbenzene	2.43	0.0250	2.50	ND	97.3		45-135		
Toluene	2.51	0.0250	2.50	ND	100		48-130		
o-Xylene	2.66	0.0250	2.50	ND	106		43-135		
p,m-Xylene	5.22	0.0500	5.00	ND	104		43-135		
Total Xylenes	7.88	0.0250	7.50	ND	105		43-135		
Surrogate: Bromofluorobenzene	0.511		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7		70-130		
Surrogate: Toluene-d8	0.504		0.500		101		70-130		

#### Matrix Spike Dup (2333015-MSD1)

Source: E308086-04

Prepared: 08/14/23 Analyzed: 08/14/23

Benzene	2.68	0.0250	2.50	ND	107		48-131	0.336	23
Ethylbenzene	2.47	0.0250	2.50	ND	98.8		45-135	1.57	27
Toluene	2.56	0.0250	2.50	ND	102		48-130	1.89	24
o-Xylene	2.65	0.0250	2.50	ND	106		43-135	0.358	27
p,m-Xylene	5.22	0.0500	5.00	ND	104		43-135	0.00958	27
Total Xylenes	7.87	0.0250	7.50	ND	105		43-135	0.114	27
Surrogate: Bromofluorobenzene	0.510		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7		70-130		
Surrogate: Toluene-d8	0.505		0.500		101		70-130		



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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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 (2333015-BLK1)**

Prepared: 08/14/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

**LCS (2333015-BS2)**

Prepared: 08/14/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	60.3	20.0	50.0		121	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

**Matrix Spike (2333015-MS2)**

Source: E308086-04

Prepared: 08/14/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

**Matrix Spike Dup (2333015-MSD2)**

Source: E308086-04

Prepared: 08/14/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	55.4	20.0	50.0	ND	111	70-130	1.89	20	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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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 (2333017-BLK1)**

Prepared: 08/14/23 Analyzed: 08/16/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			

**LCS (2333017-BS1)**

Prepared: 08/14/23 Analyzed: 08/16/23

Diesel Range Organics (C10-C28)	239	25.0	250		95.5	38-132			
Surrogate: n-Nonane	48.5		50.0		97.0	50-200			

**Matrix Spike (2333017-MS1)**

Source: E308086-03

Prepared: 08/14/23 Analyzed: 08/16/23

Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.8	38-132			
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			

**Matrix Spike Dup (2333017-MSD1)**

Source: E308086-03

Prepared: 08/14/23 Analyzed: 08/16/23

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.0	38-132	0.270	20	
Surrogate: n-Nonane	48.9		50.0		97.7	50-200			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/17/2023 2:06:19PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

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 (2333013-BLK1)**

Prepared: 08/14/23 Analyzed: 08/15/23

Chloride ND 20.0

**LCS (2333013-BS1)**

Prepared: 08/14/23 Analyzed: 08/15/23

Chloride 258 20.0 250 103 90-110

**Matrix Spike (2333013-MS1)**

Source: E308086-01

Prepared: 08/14/23 Analyzed: 08/15/23

Chloride 873 20.0 250 622 101 80-120

**Matrix Spike Dup (2333013-MSD1)**

Source: E308086-01

Prepared: 08/14/23 Analyzed: 08/15/23

Chloride 877 20.0 250 622 102 80-120 0.418 20

QC Summary Report Comment:

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



### Definitions and Notes

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 08/17/23 14:06
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



### Chain of Custody



Work Order No: E308086  
JDO # -19034-0001

Project Manager:	Becky Haskell	Bill to: (if different)	Chase Settle
Company Name:	NTG Environmental	Company Name:	EOG
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> LD <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes								
Project Number:		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code																		
Project Location:		Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD											None: NO DI Water: H <sub>2</sub> O			
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm																	Cool: Cool MeOH: Me			
PO #:																			HCL: HC HNO <sub>3</sub> : HN			
SAMPLE RECEIPT		Temp Blank: Yes No							Wet Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No												H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		<input checked="" type="radio"/> Yes <input type="radio"/> No							Thermometer ID:												NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:		Yes No N/A		Correction Factor:												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>						
Sample Custody Seals:		Yes No N/A		Temperature Reading: <u>4</u>												Zn Acetate+NaOH: Zn						
Total Containers:		12		Corrected Temperature:												NaOH+Ascorbic Acid: SACP						
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
CS-3 (4')		8/10/2023	10:00	x		Comp	1	x	x	x										1		
CS-4 (4')		8/10/2023	10:05	x		Comp	1	x	x	x										2		
CS-5 (4')		8/10/2023	10:10	x		Comp	1	x	x	x										3		
CS-6 (4')		8/10/2023	10:15	x		Comp	1	x	x	x										4		
CS-7 (4')		8/10/2023	10:20	x		Comp	1	x	x	x										5		
CS-8 (4')		8/10/2023	10:25	x		Comp	1	x	x	x										6		
SW-1 (0-4')		8/10/2023	10:30	x		Comp	1	x	x	x										7		
SW-2 (0-4')		8/10/2023	10:35	x		Comp	1	x	x	x										8		
SW-3 (0-4')		8/10/2023	10:45	x		Comp	1	x	x	x										9		
SW-4 (0-4')		8/10/2023	10:50	x		Comp	1	x	x	x										10		

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
		8/10/23			8-11-23 1030
		8/14/23 8:15			

### Chain of Custody



Work Order No: E308086  
Job # - 19034-0001

Project Manager:	Becky Haskell	Bill to: (if different)	Chase Settle
Company Name:	NTG Environmental	Company Name:	EOG
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/UST <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Cotton MX		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	237303		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		Parameters													None: NO	DI Water: H <sub>2</sub> O			
Project Location:	Eddy County		Due Date:				BTEX 8021B													Cool: Cool	MeOH: Me		
Sampler's Name:	Tyler Kimball		TAT starts the day received by the lab, if received by 4:30pm					TPH 8015M (GRO + DRO + MRO)													HCL: HC	HNO <sub>3</sub> : HN	
PO #:									Chloride 4500													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
<b>SAMPLE RECEIPT</b>			Temp Blank:	Yes No	Wet Ice:					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													H <sub>3</sub> PO <sub>4</sub> : HP
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:														NaHSO <sub>4</sub> : NABIS						
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:														Zn Acetate+NaOH: Zn					
Total Containers:	12		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
SW-6 (0-4')	8/10/2023	11:00	x		Comp	1	x	x	x													11	
SW-7 (0-4')	8/10/2023	11:05	x		Comp	1	x	x	x													12	

**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>[Signature]</i>	<i>[Signature]</i>	8/10/23	2 <i>[Signature]</i>	<i>[Signature]</i>	8-11-23 1030
3 <i>[Signature]</i>	<i>[Signature]</i>	8/14/23 8:15	4		
5			6		

Envirotech Analytical Laboratory

Printed: 8/14/2023 11:20:05AM

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: 08/14/23 08:15 Work Order ID: E308086
Phone: (281) 872-9300 Date Logged In: 08/11/23 16:36 Logged In By: Caitlin Mars
Email: bhaskell@ntglobal.com Due Date: 08/18/23 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? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

SRC Email not sent per client request.

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

Date



envirotech Inc.

Report to:  
Becky Haskell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### NTG-New Tech Global Environmental

Project Name: Cotton MX

Work Order: E308105

Job Number: 19034-0001

Received: 8/15/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/21/23

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.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/21/23



Becky Haskell  
911 Regional Park Dr.  
Houston, TX 77060

Project Name: Cotton MX  
Workorder: E308105  
Date Received: 8/15/2023 8:15:00AM

Becky Haskell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/15/2023 8:15:00AM, under the Project Name: Cotton MX.

The analytical test results summarized in this report with the Project Name: Cotton MX 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  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

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**Lynn Jarboe**  
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Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://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 MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 08/21/23 14:38
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-5 (0-4')	E308105-01A	Soil	08/11/23	08/15/23	Glass Jar, 4 oz.



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/21/2023 2:38:00PM
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**SW-5 (0-4')**

**E308105-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2333028
Benzene	ND	0.0250	1	08/15/23	08/16/23
Ethylbenzene	ND	0.0250	1	08/15/23	08/16/23
Toluene	ND	0.0250	1	08/15/23	08/16/23
o-Xylene	ND	0.0250	1	08/15/23	08/16/23
p,m-Xylene	ND	0.0500	1	08/15/23	08/16/23
Total Xylenes	ND	0.0250	1	08/15/23	08/16/23

<i>Surrogate: Bromofluorobenzene</i>	119 %	70-130		08/15/23	08/16/23
<i>Surrogate: 1,2-Dichloroethane-d4</i>	94.7 %	70-130		08/15/23	08/16/23
<i>Surrogate: Toluene-d8</i>	106 %	70-130		08/15/23	08/16/23

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2333028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/23	08/16/23
<i>Surrogate: Bromofluorobenzene</i>	119 %	70-130		08/15/23	08/16/23
<i>Surrogate: 1,2-Dichloroethane-d4</i>	94.7 %	70-130		08/15/23	08/16/23
<i>Surrogate: Toluene-d8</i>	106 %	70-130		08/15/23	08/16/23

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2333032
Diesel Range Organics (C10-C28)	45.7	25.0	1	08/15/23	08/16/23
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/23	08/16/23
<i>Surrogate: n-Nonane</i>	104 %	50-200		08/15/23	08/16/23

<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2333061
Chloride	761	20.0	1	08/17/23	08/18/23



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	Reported: 8/21/2023 2:38:00PM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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 (2333028-BLK1)

Prepared: 08/15/23 Analyzed: 08/16/23

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	0.592		0.500		118		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7		70-130		
Surrogate: Toluene-d8	0.535		0.500		107		70-130		

#### LCS (2333028-BS1)

Prepared: 08/15/23 Analyzed: 08/16/23

Benzene	2.35	0.0250	2.50		94.0		70-130		
Ethylbenzene	2.26	0.0250	2.50		90.5		70-130		
Toluene	2.27	0.0250	2.50		90.9		70-130		
o-Xylene	2.33	0.0250	2.50		93.0		70-130		
p,m-Xylene	4.64	0.0500	5.00		92.7		70-130		
Total Xylenes	6.96	0.0250	7.50		92.8		70-130		
Surrogate: Bromofluorobenzene	0.589		0.500		118		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9		70-130		
Surrogate: Toluene-d8	0.532		0.500		106		70-130		

#### Matrix Spike (2333028-MS1)

Source: E308079-02

Prepared: 08/15/23 Analyzed: 08/16/23

Benzene	2.57	0.0250	2.50	ND	103		48-131		
Ethylbenzene	2.52	0.0250	2.50	ND	101		45-135		
Toluene	2.54	0.0250	2.50	ND	102		48-130		
o-Xylene	2.61	0.0250	2.50	ND	105		43-135		
p,m-Xylene	5.22	0.0500	5.00	ND	104		43-135		
Total Xylenes	7.83	0.0250	7.50	ND	104		43-135		
Surrogate: Bromofluorobenzene	0.590		0.500		118		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8		70-130		
Surrogate: Toluene-d8	0.531		0.500		106		70-130		

#### Matrix Spike Dup (2333028-MSD1)

Source: E308079-02

Prepared: 08/15/23 Analyzed: 08/16/23

Benzene	2.56	0.0250	2.50	ND	102		48-131	0.663	23
Ethylbenzene	2.48	0.0250	2.50	ND	99.3		45-135	1.42	27
Toluene	2.49	0.0250	2.50	ND	99.7		48-130	1.89	24
o-Xylene	2.62	0.0250	2.50	ND	105		43-135	0.0765	27
p,m-Xylene	5.20	0.0500	5.00	ND	104		43-135	0.374	27
Total Xylenes	7.81	0.0250	7.50	ND	104		43-135	0.224	27
Surrogate: Bromofluorobenzene	0.601		0.500		120		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2		70-130		
Surrogate: Toluene-d8	0.530		0.500		106		70-130		



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/21/2023 2:38:00PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2333028-BLK1)**

Prepared: 08/15/23 Analyzed: 08/16/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.592		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

**LCS (2333028-BS2)**

Prepared: 08/15/23 Analyzed: 08/16/23

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.5	70-130			
Surrogate: Bromofluorobenzene	0.597		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

**Matrix Spike (2333028-MS2)**

Source: E308079-02

Prepared: 08/15/23 Analyzed: 08/16/23

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			

**Matrix Spike Dup (2333028-MSD2)**

Source: E308079-02

Prepared: 08/15/23 Analyzed: 08/16/23

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	0.876	20	
Surrogate: Bromofluorobenzene	0.599		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	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 MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/21/2023 2:38:00PM
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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 (2333032-BLK1)**

Prepared: 08/15/23 Analyzed: 08/15/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.7		50.0		99.4	50-200			

**LCS (2333032-BS1)**

Prepared: 08/15/23 Analyzed: 08/15/23

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			

**Matrix Spike (2333032-MS1)**

Source: E308095-02

Prepared: 08/15/23 Analyzed: 08/15/23

Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			

**Matrix Spike Dup (2333032-MSD1)**

Source: E308095-02

Prepared: 08/15/23 Analyzed: 08/15/23

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	3.50	20	
Surrogate: n-Nonane	42.9		50.0		85.7	50-200			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/21/2023 2:38:00PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

**Blank (2333061-BLK1)**

Prepared: 08/17/23 Analyzed: 08/17/23

Chloride ND 20.0

**LCS (2333061-BS1)**

Prepared: 08/17/23 Analyzed: 08/18/23

Chloride 248 20.0 250 99.1 90-110

**Matrix Spike (2333061-MS1)**

Source: E308105-01

Prepared: 08/17/23 Analyzed: 08/18/23

Chloride 1060 20.0 250 761 120 80-120

**Matrix Spike Dup (2333061-MSD1)**

Source: E308105-01

Prepared: 08/17/23 Analyzed: 08/18/23

Chloride 1050 20.0 250 761 115 80-120 1.05 20

QC Summary Report Comment:

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



## Definitions and Notes

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 08/21/23 14:38
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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.





Envirotech Analytical Laboratory

Printed: 8/15/2023 1:54:36PM

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: 08/15/23 08:15	Work Order ID: E308105
Phone: (281) 872-9300	Date Logged In: 08/14/23 16:02	Logged In By: Caitlin Mars
Email: bhaskell@ntglobal.com	Due Date: 08/21/23 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? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

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

**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

**Comments/Resolution**

SRC Email not sent per client request.

**Client Instruction**

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

Date



envirotech Inc.

Report to:  
Becky Haskell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### NTG-New Tech Global Environmental

Project Name: Cotton MX

Work Order: E308143

Job Number: 19034-0001

Received: 8/18/2023

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/25/23

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.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/25/23



Becky Haskell  
911 Regional Park Dr.  
Houston, TX 77060

Project Name: Cotton MX  
Workorder: E308143  
Date Received: 8/18/2023 1:30:00PM

Becky Haskell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/18/2023 1:30:00PM, under the Project Name: Cotton MX.

The analytical test results summarized in this report with the Project Name: Cotton MX 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**  
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**Rayny Hagan**  
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Envirotech Web Address: [www.envirotech-inc.com](http://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 MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 08/25/23 11:54
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-8 (0-4')	E308143-01A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-9 (4')	E308143-02A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-10 (4')	E308143-03A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-11 (4')	E308143-04A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-12 (4')	E308143-05A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-13 (4')	E308143-06A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-14 (4')	E308143-07A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-15 (4')	E308143-08A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-16 (4')	E308143-09A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-17 (4')	E308143-10A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-18 (4')	E308143-11A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-19 (4')	E308143-12A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-20 (4')	E308143-13A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-21 (4')	E308143-14A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-22 (4')	E308143-15A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-23 (4')	E308143-16A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-24 (4')	E308143-17A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-25 (4')	E308143-18A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-26 (4')	E308143-19A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-27 (4')	E308143-20A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-28 (4')	E308143-21A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-29 (4')	E308143-22A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-30 (4')	E308143-23A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-31 (4')	E308143-24A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-32 (4')	E308143-25A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-33 (4')	E308143-26A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
CS-34 (4')	E308143-27A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**SW-8 (0-4')  
E308143-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/22/23	
<i>Surrogate: n-Nonane</i>		89.8 %	50-200	08/21/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	650	20.0	1	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-9 (4')**

**E308143-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	<b>0.0255</b>	0.0250	1	08/21/23	08/22/23	
o-Xylene	<b>0.0255</b>	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	<b>0.0510</b>	0.0500	1	08/21/23	08/22/23	
Total Xylenes	<b>0.0765</b>	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>						
		102 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		94.0 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>						
		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>						
		102 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		94.0 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>						
		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
		89.8 %	50-200	08/21/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	<b>676</b>	20.0	1	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-10 (4')**

**E308143-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>						
		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		98.9 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>						
		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>						
		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		98.9 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>						
		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
		89.1 %	50-200	08/21/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	564	20.0	1	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	Reported: 8/25/2023 11:54:39AM
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**CS-11 (4')**

**E308143-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/22/23	
<i>Surrogate: n-Nonane</i>		91.4 %	50-200	08/21/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	1260	20.0	1	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-12 (4')**

**E308143-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/22/23	
<i>Surrogate: n-Nonane</i>		90.3 %	50-200	08/21/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2334025
Chloride	1570	20.0	1	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-13 (4')**

**E308143-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/22/23	
<i>Surrogate: n-Nonane</i>		91.5 %	50-200	08/21/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	990	20.0	1	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-14 (4')**

**E308143-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	<b>55.8</b>	25.0	1	08/21/23	08/22/23	
Oil Range Organics (C28-C36)	<b>80.2</b>	50.0	1	08/21/23	08/22/23	
<i>Surrogate: n-Nonane</i>		87.5 %	50-200	08/21/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	<b>1250</b>	20.0	1	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-15 (4')**

**E308143-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/22/23	
<i>Surrogate: n-Nonane</i>		92.5 %	50-200	08/21/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	5460	100	5	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-16 (4')**

**E308143-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		90.5 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	3650	40.0	2	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-17 (4')**

**E308143-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		92.6 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	800	20.0	1	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-18 (4')**

**E308143-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.2 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.2 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		91.8 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	1920	20.0	1	08/22/23	08/22/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-19 (4')**

**E308143-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		92.3 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	2340	40.0	2	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-20 (4')**

**E308143-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		91.7 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	4550	40.0	2	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-21 (4')**

**E308143-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>						
		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		95.1 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>						
		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>						
		101 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		95.1 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>						
		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>						
		88.6 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	2710	40.0	2	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-22 (4')**

**E308143-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		83.3 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	480	20.0	1	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-23 (4')**

**E308143-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	08/21/23	08/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	08/21/23	08/22/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		84.7 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334025
Chloride	3320	20.0	1	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-24 (4')**

**E308143-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/21/23	08/23/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	08/21/23	08/23/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/23/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/21/23	08/23/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	08/21/23	08/23/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/23/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		85.8 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	<b>11900</b>	400	20	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-25 (4')  
E308143-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/23/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	08/21/23	08/23/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/23/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/23/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	08/21/23	08/23/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/23/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	169	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	542	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		90.1 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	19700	1000	50	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-26 (4')  
E308143-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/23/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	08/21/23	08/23/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/23/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/21/23	08/23/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	08/21/23	08/23/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/21/23	08/23/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	35.2	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		88.0 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	6980	200	10	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-27 (4')**

**E308143-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/21/23	08/23/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	08/21/23	08/23/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/23/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2334009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/21/23	08/23/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	08/21/23	08/23/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/21/23	08/23/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2334003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/23	08/23/23	
<i>Surrogate: n-Nonane</i>		89.6 %	50-200	08/21/23	08/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	5700	100	5	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-28 (4')**

**E308143-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.8 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.7 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2334004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
		91.5 %	50-200	08/22/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	1300	20.0	1	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-29 (4')**

**E308143-22**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.2 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2334004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/22/23	
<i>Surrogate: n-Nonane</i>		89.9 %	50-200	08/22/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	1300	20.0	1	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-30 (4')**

**E308143-23**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.8 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.7 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2334004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
		89.5 %	50-200	08/22/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	2080	20.0	1	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-31 (4')**

**E308143-24**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.2 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.5 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2334004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
		90.7 %	50-200	08/22/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	1260	20.0	1	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-32 (4')**

**E308143-25**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.6 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2334004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
		89.5 %	50-200	08/22/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	1970	20.0	1	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-33 (4')**

**E308143-26**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.1 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2334004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/22/23	
<i>Surrogate: n-Nonane</i>		91.1 %	50-200	08/22/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	<b>888</b>	20.0	1	08/22/23	08/23/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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**CS-34 (4')**

**E308143-27**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Benzene	ND	0.0250	1	08/21/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/22/23	
Toluene	ND	0.0250	1	08/21/23	08/22/23	
o-Xylene	ND	0.0250	1	08/21/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2334006
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	70-130	08/21/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2334004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/22/23	
<i>Surrogate: n-Nonane</i>		91.4 %	50-200	08/22/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2334026
Chloride	918	20.0	1	08/22/23	08/23/23	



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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 (2334009-BLK1)

Prepared: 08/21/23 Analyzed: 08/22/23

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	0.512		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3		70-130		
Surrogate: Toluene-d8	0.507		0.500		101		70-130		

#### LCS (2334009-BS1)

Prepared: 08/21/23 Analyzed: 08/22/23

Benzene	2.80	0.0250	2.50		112		70-130		
Ethylbenzene	2.56	0.0250	2.50		103		70-130		
Toluene	2.65	0.0250	2.50		106		70-130		
o-Xylene	2.69	0.0250	2.50		108		70-130		
p,m-Xylene	5.33	0.0500	5.00		107		70-130		
Total Xylenes	8.02	0.0250	7.50		107		70-130		
Surrogate: Bromofluorobenzene	0.514		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1		70-130		
Surrogate: Toluene-d8	0.509		0.500		102		70-130		

#### Matrix Spike (2334009-MS1)

Source: E308143-02

Prepared: 08/21/23 Analyzed: 08/22/23

Benzene	2.51	0.0250	2.50	ND	100		48-131		
Ethylbenzene	2.30	0.0250	2.50	ND	92.1		45-135		
Toluene	2.38	0.0250	2.50	0.0255	94.0		48-130		
o-Xylene	2.45	0.0250	2.50	0.0255	97.1		43-135		
p,m-Xylene	4.90	0.0500	5.00	0.0510	96.9		43-135		
Total Xylenes	7.35	0.0250	7.50	0.0765	97.0		43-135		
Surrogate: Bromofluorobenzene	0.529		0.500		106		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		92.9		70-130		
Surrogate: Toluene-d8	0.513		0.500		103		70-130		

#### Matrix Spike Dup (2334009-MSD1)

Source: E308143-02

Prepared: 08/21/23 Analyzed: 08/22/23

Benzene	2.79	0.0250	2.50	ND	112		48-131	10.7	23
Ethylbenzene	2.58	0.0250	2.50	ND	103		45-135	11.4	27
Toluene	2.65	0.0250	2.50	0.0255	105		48-130	11.0	24
o-Xylene	2.73	0.0250	2.50	0.0255	108		43-135	10.6	27
p,m-Xylene	5.43	0.0500	5.00	0.0510	108		43-135	10.3	27
Total Xylenes	8.16	0.0250	7.50	0.0765	108		43-135	10.4	27
Surrogate: Bromofluorobenzene	0.520		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		92.9		70-130		
Surrogate: Toluene-d8	0.508		0.500		102		70-130		



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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#### Volatile Organics by EPA 8021B

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 (2334006-BLK1)

Prepared: 08/21/23 Analyzed: 08/22/23

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: 4-Bromochlorobenzene-PID	7.47		8.00		93.3		70-130		

#### LCS (2334006-BS1)

Prepared: 08/21/23 Analyzed: 08/22/23

Benzene	5.11	0.0250	5.00		102		70-130		
Ethylbenzene	5.02	0.0250	5.00		100		70-130		
Toluene	5.09	0.0250	5.00		102		70-130		
o-Xylene	5.03	0.0250	5.00		101		70-130		
p,m-Xylene	10.2	0.0500	10.0		102		70-130		
Total Xylenes	15.2	0.0250	15.0		102		70-130		
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3		70-130		

#### Matrix Spike (2334006-MS1)

Source: E308141-24

Prepared: 08/21/23 Analyzed: 08/22/23

Benzene	5.19	0.0250	5.00	ND	104		54-133		
Ethylbenzene	5.08	0.0250	5.00	ND	102		61-133		
Toluene	5.17	0.0250	5.00	ND	103		61-130		
o-Xylene	5.10	0.0250	5.00	ND	102		63-131		
p,m-Xylene	10.3	0.0500	10.0	ND	103		63-131		
Total Xylenes	15.4	0.0250	15.0	ND	103		63-131		
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4		70-130		

#### Matrix Spike Dup (2334006-MSD1)

Source: E308141-24

Prepared: 08/21/23 Analyzed: 08/22/23

Benzene	4.99	0.0250	5.00	ND	99.9		54-133	3.90	20
Ethylbenzene	4.90	0.0250	5.00	ND	98.0		61-133	3.66	20
Toluene	4.98	0.0250	5.00	ND	99.5		61-130	3.81	20
o-Xylene	4.91	0.0250	5.00	ND	98.2		63-131	3.72	20
p,m-Xylene	9.96	0.0500	10.0	ND	99.6		63-131	3.75	20
Total Xylenes	14.9	0.0250	15.0	ND	99.2		63-131	3.74	20
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9		70-130		



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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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 (2334006-BLK1)**

Prepared: 08/21/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

**LCS (2334006-BS2)**

Prepared: 08/21/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

**Matrix Spike (2334006-MS2)**

Source: E308141-24

Prepared: 08/21/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

**Matrix Spike Dup (2334006-MSD2)**

Source: E308141-24

Prepared: 08/21/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	95.9	70-130	7.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.1	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2334009-BLK1)**

Prepared: 08/21/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

**LCS (2334009-BS2)**

Prepared: 08/21/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	60.2	20.0	50.0		120	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

**Matrix Spike (2334009-MS2)**

Source: E308143-02

Prepared: 08/21/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	59.3	20.0	50.0	ND	119	70-130			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.5	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

**Matrix Spike Dup (2334009-MSD2)**

Source: E308143-02

Prepared: 08/21/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130	2.72	20	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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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 (2334003-BLK1)**

Prepared: 08/21/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.1		50.0		90.2	50-200			

**LCS (2334003-BS1)**

Prepared: 08/21/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	232	25.0	250		92.7	38-132			
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

**Matrix Spike (2334003-MS1)**

Source: E308143-17

Prepared: 08/21/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.2	38-132			
Surrogate: n-Nonane	42.3		50.0		84.7	50-200			

**Matrix Spike Dup (2334003-MSD1)**

Source: E308143-17

Prepared: 08/21/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.2	38-132	1.06	20	
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2334004-BLK1)**

Prepared: 08/22/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			

**LCS (2334004-BS1)**

Prepared: 08/22/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	235	25.0	250		93.9	38-132			
Surrogate: n-Nonane	44.9		50.0		89.7	50-200			

**Matrix Spike (2334004-MS1)**

Source: E308143-27

Prepared: 08/22/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132			
Surrogate: n-Nonane	44.6		50.0		89.2	50-200			

**Matrix Spike Dup (2334004-MSD1)**

Source: E308143-27

Prepared: 08/22/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.8	38-132	2.16	20	
Surrogate: n-Nonane	44.0		50.0		88.1	50-200			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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#### Anions by EPA 300.0/9056A

Analyst: BA

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 (2334025-BLK1)**

Prepared: 08/22/23 Analyzed: 08/22/23

Chloride ND 20.0

**LCS (2334025-BS1)**

Prepared: 08/22/23 Analyzed: 08/22/23

Chloride 255 20.0 250 102 90-110

**Matrix Spike (2334025-MS1)**

Source: E308143-01

Prepared: 08/22/23 Analyzed: 08/22/23

Chloride 889 20.0 250 650 95.4 80-120

**Matrix Spike Dup (2334025-MSD1)**

Source: E308143-01

Prepared: 08/22/23 Analyzed: 08/22/23

Chloride 882 20.0 250 650 92.8 80-120 0.745 20



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 8/25/2023 11:54:39AM
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#### Anions by EPA 300.0/9056A

Analyst: BA

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 (2334026-BLK1)**

Prepared: 08/22/23 Analyzed: 08/23/23

Chloride	ND	20.0							
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**LCS (2334026-BS1)**

Prepared: 08/22/23 Analyzed: 08/23/23

Chloride	266	20.0	250		107	90-110			
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**Matrix Spike (2334026-MS1)**

Source: E308143-17

Prepared: 08/22/23 Analyzed: 08/23/23

Chloride	12500	400	250	11900	234	80-120			M4
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**Matrix Spike Dup (2334026-MSD1)**

Source: E308143-17

Prepared: 08/22/23 Analyzed: 08/23/23

Chloride	11900	400	250	11900	12.9	80-120	4.54	20	M4
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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 911 Regional Park Dr. Houston TX, 77060	Project Name: Cotton MX Project Number: 19034-0001 Project Manager: Becky Haskell	<b>Reported:</b> 08/25/23 11:54
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- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated 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.







### Chain of Custody



Work Order No: E308143  
Job # 19034-0001

Page 3 of 3

Project Manager:	Becky Haskell	Bill to: (if different)	Chase Settle
Company Name:	NTG Environmental	Company Name:	EOG
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number:	Cotton MX	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		None: NO	DI Water: H <sub>2</sub> O																	
Project Location:	Eddy County	Due Date:		Cool: Cool	MeOH: Me																		
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm		HCL: HC	HNO <sub>3</sub> : HN																		
PO #:				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na																		
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes No	Wet Ice:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD													H <sub>3</sub> PO <sub>4</sub> : HP
Received Intact:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Thermometer ID:														NaHSO <sub>4</sub> : NABIS							
Cooler Custody Seals:	Yes No N/A	Correction Factor:														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>							
Sample Custody Seals:	Yes No N/A	Temperature Reading:														Zn Acetate+NaOH: Zn							
Total Containers:	27	Corrected Temperature:														NaOH+Ascorbic Acid: SAPC							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments					
CS-28 (4')	8/17/2023	10:45	x		Comp	1	x	x	x									21					
CS-29 (4')	8/17/2023	10:50	x		Comp	1	x	x	x									22					
CS-30 (4')	8/17/2023	10:55	x		Comp	1	x	x	x									23					
CS-31 (4')	8/17/2023	11:00	x		Comp	1	x	x	x									24					
CS-32 (4')	8/17/2023	11:05	x		Comp	1	x	x	x									25					
CS-33 (4')	8/17/2023	11:10	x		Comp	1	x	x	x									26					
CS-34 (4')	8/17/2023	11:15	x		Comp	1	x	x	x									27					

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		8/18/23 1330	2		
3			4		
5			6		

Envirotech Analytical Laboratory

Printed: 8/21/2023 10:15:20AM

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:	08/18/23 13:30	Work Order ID:	E308143
Phone:	(281) 872-9300	Date Logged In:	08/18/23 15:21	Logged In By:	Caitlin Mars
Email:	bhaskell@ntglobal.com	Due Date:	08/25/23 17:00 (5 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? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

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

**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**

**Comments/Resolution**

SRC email not sent per client request.

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

Date



envirotech Inc.



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

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August 31, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON MX

Enclosed are the results of analyses for samples received by the laboratory on 08/29/23 16:00.

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](http://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".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	08/29/2023	Sampling Date:	08/22/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shari Cisneros
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 2A (0-4') (H234701-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	2.01	101	2.00	3.18	
Toluene*	<0.050	0.050	08/30/2023	ND	1.97	98.3	2.00	3.36	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.05	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.17	103	6.00	2.45	
Total BTEX	<0.300	0.300	08/30/2023	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	192	16.0	08/30/2023	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	08/30/2023	ND	202	101	200	0.817	
DRO >C10-C28*	<10.0	10.0	08/30/2023	ND	228	114	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/30/2023	ND					

Surrogate: 1-Chlorooctane 104 % 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



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	08/29/2023	Sampling Date:	08/24/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shari Cisneros
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 3A (0-4') (H234701-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	2.01	101	2.00	3.18	
Toluene*	<0.050	0.050	08/30/2023	ND	1.97	98.3	2.00	3.36	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.05	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.17	103	6.00	2.45	
Total BTEX	<0.300	0.300	08/30/2023	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	400	16.0	08/30/2023	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	08/30/2023	ND	202	101	200	0.817	
DRO >C10-C28*	<10.0	10.0	08/30/2023	ND	228	114	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/30/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	08/29/2023	Sampling Date:	08/24/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shari Cisneros
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 4A (0-4') (H234701-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	2.01	101	2.00	3.18	
Toluene*	<0.050	0.050	08/30/2023	ND	1.97	98.3	2.00	3.36	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.05	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.17	103	6.00	2.45	
Total BTEX	<0.300	0.300	08/30/2023	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	48.0	16.0	08/30/2023	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	08/30/2023	ND	202	101	200	0.817	
DRO >C10-C28*	<10.0	10.0	08/30/2023	ND	228	114	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/30/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	08/29/2023	Sampling Date:	08/28/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shari Cisneros
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 5A (0-4') (H234701-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	2.01	101	2.00	3.18	
Toluene*	<0.050	0.050	08/30/2023	ND	1.97	98.3	2.00	3.36	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.05	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.17	103	6.00	2.45	
Total BTEX	<0.300	0.300	08/30/2023	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	384	16.0	08/30/2023	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	08/30/2023	ND	202	101	200	0.817	
DRO >C10-C28*	<10.0	10.0	08/30/2023	ND	228	114	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/30/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	08/29/2023	Sampling Date:	08/28/2023
Reported:	08/31/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shari Cisneros
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 24A (8') (H234701-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	2.01	101	2.00	3.18	
Toluene*	<0.050	0.050	08/30/2023	ND	1.97	98.3	2.00	3.36	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.05	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.17	103	6.00	2.45	
Total BTEX	<0.300	0.300	08/30/2023	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	576	16.0	08/30/2023	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	08/30/2023	ND	202	101	200	0.817	
DRO >C10-C28*	<10.0	10.0	08/30/2023	ND	228	114	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/30/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/29/2023  
 Reported: 08/31/2023  
 Project Name: COTTON MX  
 Project Number: 237303  
 Project Location: EOG - EDDY COUNTY

Sampling Date: 08/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: CS - 25A (8') (H234701-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	2.01	101	2.00	3.18	
Toluene*	<0.050	0.050	08/30/2023	ND	1.97	98.3	2.00	3.36	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	2.05	102	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	6.17	103	6.00	2.45	
Total BTEX	<0.300	0.300	08/30/2023	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	4560	16.0	08/30/2023	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	08/30/2023	ND	202	101	200	0.817	
DRO >C10-C28*	<10.0	10.0	08/30/2023	ND	228	114	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/30/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

# Chain of Custody



Work Order No: H234701

Page 1 of 1

Project Manager:	Becky Haskell	Bill to: (if different)	Chase Settle
Company Name:	NTG Environmental	Company Name:	EOG
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	Cotton MX	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:	48hr													None: NO	DI Water: H <sub>2</sub> O
Project Location	Eddy County	TAT starts the day received by the lab, if received by 4:30pm		Parameters													Cool: Cool	MeOH: Me		
Sampler's Name:	Tyler Kimball													HCL: HC	HNO <sub>3</sub> : HN					
PO #:														H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na					
SAMPLE RECEIPT		Temp Blank:	Yes No		Wet Ice:	Yes No													H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes No	Thermometer ID:	#140														NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:	Yes No N/A	Correction Factor:														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>				
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.4°C													Zn Acetate+NaOH: Zn				
Total Containers:	6	Corrected Temperature:														NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
SW-2A (0-4')	8/22/2023	9:00	x		Comp	1	x	x	x											
SW-3A (0-4')	8/24/2023	9:05	x		Comp	1	x	x	x											
SW-4A (0-4')	8/24/2023	9:10	x		Comp	1	x	x	x											
SW-5A (0-4')	8/28/2023	9:00	x		Comp	1	x	x	x											
CS-24A (8')	8/28/2023	9:05	x		Comp	1	x	x	x											
CS-25A (8')	8/28/2023	9:10	x		Comp	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
<i>[Signature]</i>	<i>[Signature]</i>	8/29/23			
		16:00			

Received by OCD: 10/27/2023 9:05:10 AM 6 N-SWD

Released to Imaging: 3/18/2024 11:03:37 AM



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

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September 11, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON MX

Enclosed are the results of analyses for samples received by the laboratory on 09/08/23 13:40.

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](http://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 style with a large, stylized initial 'C'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 35 (4') (H234881-01)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	09/11/2023	ND	400	100	400	3.92	

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	09/08/2023	ND	206	103	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 36 (4') (H234881-02)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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
<b>Chloride</b>	<b>976</b>	16.0	09/11/2023	ND	400	100	400	3.92	

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	09/08/2023	ND	206	103	200	1.47	
<b>DRO &gt;C10-C28*</b>	<b>508</b>	10.0	09/08/2023	ND	218	109	200	3.77	
<b>EXT DRO &gt;C28-C36</b>	<b>201</b>	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 37 (4') (H234881-03)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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
<b>Chloride</b>	<b>1470</b>	16.0	09/11/2023	ND	400	100	400	3.92	

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	09/08/2023	ND	206	103	200	1.47	
<b>DRO &gt;C10-C28*</b>	<b>81.3</b>	10.0	09/08/2023	ND	218	109	200	3.77	
<b>EXT DRO &gt;C28-C36</b>	<b>42.0</b>	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 38 (4') (H234881-04)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1520	16.0	09/11/2023	ND	400	100	400	3.92	

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	09/08/2023	ND	206	103	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 39 (4') (H234881-05)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	1460	16.0	09/11/2023	ND	400	100	400	3.92	

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	09/08/2023	ND	206	103	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 40 (4') (H234881-06)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	560	16.0	09/11/2023	ND	400	100	400	3.92	

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	09/08/2023	ND	206	103	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 41 (4') (H234881-07)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	912	16.0	09/11/2023	ND	400	100	400	3.92	

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	09/08/2023	ND	206	103	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 42 (4') (H234881-08)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	09/11/2023	ND	416	104	400	3.92	

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	09/08/2023	ND	206	103	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 43 (4') (H234881-09)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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
<b>Chloride</b>	<b>1680</b>	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
<b>DRO &gt;C10-C28*</b>	<b>23.3</b>	10.0	09/09/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 44 (4') (H234881-10)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	640	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
DRO >C10-C28*	53.4	10.0	09/09/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	11.5	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 45 (4') (H234881-11)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1120	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
DRO >C10-C28*	53.7	10.0	09/09/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	16.2	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 46 (4') (H234881-12)**

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	09/08/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/08/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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
<b>Chloride</b>	<b>1070</b>	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
<b>DRO &gt;C10-C28*</b>	<b>37.5</b>	10.0	09/09/2023	ND	218	109	200	3.77	
<b>EXT DRO &gt;C28-C36</b>	<b>12.9</b>	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 65.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 47 (4') (H234881-13)**

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	09/09/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/09/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/09/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/09/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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
<b>Chloride</b>	<b>1260</b>	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
<b>DRO &gt;C10-C28*</b>	<b>397</b>	10.0	09/09/2023	ND	218	109	200	3.77	
<b>EXT DRO &gt;C28-C36</b>	<b>187</b>	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 69.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 48 (4') (H234881-14)**

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	09/09/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/09/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/09/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/09/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1020	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 49 (4') (H234881-15)**

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	09/09/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/09/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/09/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/09/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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
<b>Chloride</b>	<b>816</b>	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
<b>DRO &gt;C10-C28*</b>	<b>15.2</b>	10.0	09/09/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 50 (4') (H234881-16)**

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	09/09/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/09/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/09/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/09/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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
<b>Chloride</b>	<b>880</b>	16.0	09/11/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/09/2023	ND	206	103	200	1.47		
<b>DRO &gt;C10-C28*</b>	<b>4890</b>	10.0	09/09/2023	ND	218	109	200	3.77		
<b>EXT DRO &gt;C28-C36</b>	<b>194</b>	10.0	09/09/2023	ND						

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 295 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/08/2023  
 Reported: 09/11/2023  
 Project Name: COTTON MX  
 Project Number: 237303  
 Project Location: EOG - EDDY COUNTY

Sampling Date: 09/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 51 (4') (H234881-17)**

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	09/09/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/09/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/09/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/09/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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
<b>Chloride</b>	<b>880</b>	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
<b>DRO &gt;C10-C28*</b>	<b>279</b>	10.0	09/09/2023	ND	218	109	200	3.77	
<b>EXT DRO &gt;C28-C36</b>	<b>104</b>	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 62.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 52 (4') (H234881-18)**

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	09/09/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/09/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/09/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/09/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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
<b>Chloride</b>	<b>304</b>	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
<b>DRO &gt;C10-C28*</b>	<b>75.1</b>	10.0	09/09/2023	ND	218	109	200	3.77	
<b>EXT DRO &gt;C28-C36</b>	<b>19.9</b>	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/08/2023  
 Reported: 09/11/2023  
 Project Name: COTTON MX  
 Project Number: 237303  
 Project Location: EOG - EDDY COUNTY

Sampling Date: 09/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 53 (4') (H234881-19)**

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	09/09/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/09/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/09/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/09/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	224	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 54 (4') (H234881-20)**

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	09/09/2023	ND	2.00	100	2.00	3.55	
Toluene*	<0.050	0.050	09/09/2023	ND	1.97	98.7	2.00	2.39	
Ethylbenzene*	<0.050	0.050	09/09/2023	ND	2.13	107	2.00	3.43	
Total Xylenes*	<0.150	0.150	09/09/2023	ND	6.37	106	6.00	3.27	
Total BTEX	<0.300	0.300	09/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	176	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	206	103	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	218	109	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 55 (4') (H234881-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	4.65	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	6.33	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.04	102	2.00	6.73	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.13	102	6.00	5.68	
Total BTEX	<0.300	0.300	09/08/2023	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	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 56 (4') (H234881-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	4.65	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	6.33	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.04	102	2.00	6.73	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.13	102	6.00	5.68	
Total BTEX	<0.300	0.300	09/08/2023	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	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 57 (4') (H234881-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	4.65	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	6.33	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.04	102	2.00	6.73	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.13	102	6.00	5.68	
Total BTEX	<0.300	0.300	09/08/2023	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
<b>Chloride</b>	<b>48.0</b>	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 7A (0-4') (H234881-24)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	4.65		
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	6.33		
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.04	102	2.00	6.73		
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.13	102	6.00	5.68		
Total BTEX	<0.300	0.300	09/08/2023	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	288	16.0	09/11/2023	ND	416	104	400	3.92		

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	09/09/2023	ND	218	109	200	0.269		
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74		
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND						

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 8A (0-4') (H234881-25)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	4.65	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	6.33	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.04	102	2.00	6.73	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.13	102	6.00	5.68	
Total BTEX	<0.300	0.300	09/08/2023	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	48.0	16.0	09/11/2023	ND	416	104	400	3.92	

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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 10 (4'-8') (H234881-26)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	4.65		
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	6.33		
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.04	102	2.00	6.73		
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.13	102	6.00	5.68		
Total BTEX	<0.300	0.300	09/08/2023	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	09/11/2023	ND	416	104	400	3.92		

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	09/09/2023	ND	218	109	200	0.269		
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74		
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND						

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



# Chain of Custody

Work Order No: H234881

Page 1 of 3

Page 29 of 31

Project Manager:	Becky Haskell	Bill to: (if different)	Chase Settle
Company Name:	NTG Environmental	Company Name:	EOG
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input checked="" type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting: Level	<input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes																								
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code																																		
Project Location:		Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	None: NO		DI Water: H <sub>2</sub> O		Cool: Cool		MeOH: Me		HCL: HC		HNO <sub>3</sub> : HN		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na		H <sub>3</sub> PO <sub>4</sub> : HP		NaHSO <sub>4</sub> : NABIS		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		Zn Acetate+NaOH: Zn		NaOH+Ascorbic Acid: SAPC					
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm							Sample Comments																													
Cotton MX		237303							24hr																													
Eddy County		Tyler Kimball																																				
PO #:																																						
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	Total Containers:		23	Corrected Temperature:																	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																																
CS-35 (4')	9/7/2023	9:00	x		Comp	1	x	x	x																													
CS-36 (4')	9/7/2023	9:05	x		Comp	1	x	x	x																													
CS-37 (4')	9/7/2023	9:10	x		Comp	1	x	x	x																													
CS-38 (4')	9/7/2023	9:15	x		Comp	1	x	x	x																													
CS-39 (4')	9/7/2023	9:20	x		Comp	1	x	x	x																													
CS-40 (4')	9/8/2023	9:00	x		Comp	1	x	x	x																													
CS-41 (4')	9/8/2023	9:05	x		Comp	1	x	x	x																													
CS-42 (4')	9/8/2023	9:10	x		Comp	1	x	x	x																													
CS-43 (4')	9/8/2023	9:15	x		Comp	1	x	x	x																													
CS-44 (4')	9/8/2023	9:20	x		Comp	1	x	x	x																													

**Additional Comments:**

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		9-8-23 1340			

Received by OCD: 10/27/2023 9:05:10 AM

Released to Imaging: 3/18/2024 11:03:37 AM

# Chain of Custody



Work Order No: H234881

Page 2 of 3

Project Manager:	Becky Haskell	Bill to: (if different)	Chase Settle
Company Name:	NTG Environmental	Company Name:	EOG
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

**Work Order Comments**

Program: UST/PS  PR  Brownfie  R  Supe

State of Project:

Reporting: Level  Level  PST/U  TR  Ld

Deliverables: EDD  ADaP  Other:

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes					
Cotton MX		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush												None: NO DI Water: H <sub>2</sub> O					
Project Number: 237303		Due Date: <u>24/08</u>												Cool: Cool MeOH: Me					
Project Location: Eddy County		TAT starts the day received by the lab, if received by 4:30pm												HCL: HC HNO <sub>3</sub> : HN					
Sampler's Name: Tyler Kimball														H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na					
PO #:														H <sub>3</sub> PO <sub>4</sub> : HP					
<b>SAMPLE RECEIPT</b>		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>												NaHSO <sub>4</sub> : NABIS					
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Thermometer ID: <u>HO</u>												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor: <u>—</u>												Zn Acetate+NaOH: Zn					
Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading: <u>3.22</u>												NaOH+Ascorbic Acid: SAPC					
Total Containers: 23		Corrected Temperature: <u>—</u>												<b>Sample Comments</b>					
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500										
CS-45 (4')	9/8/2023	9:25	x		Comp	1	x	x	x										
CS-46 (4')	9/8/2023	9:30	x		Comp	1	x	x	x										
CS-47 (4')	9/8/2023	9:35	x		Comp	1	x	x	x										
CS-48 (4')	9/8/2023	9:40	x		Comp	1	x	x	x										
CS-49 (4')	9/8/2023	9:45	x		Comp	1	x	x	x										
CS-50 (4')	9/8/2023	9:50	x		Comp	1	x	x	x										
CS-51 (4')	9/8/2023	9:55	x		Comp	1	x	x	x										
CS-52 (4')	9/8/2023	10:00	x		Comp	1	x	x	x										
CS-53 (4')	9/8/2023	10:05	x		Comp	1	x	x	x										
CS-54 (4')	9/8/2023	10:10	x		Comp	1	x	x	x										

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**Additional Comments:**

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9-8-23 1340			
3					
5					





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September 15, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON MX

Enclosed are the results of analyses for samples received by the laboratory on 09/14/23 14:03.

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](http://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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly legible.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/14/2023	Sampling Date:	09/14/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Dionica Hinojos
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 58 ( 4' ) (H234976-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	2.03	101	2.00	0.112	
Toluene*	<0.050	0.050	09/14/2023	ND	2.06	103	2.00	0.0707	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.02	101	2.00	0.563	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.14	102	6.00	1.85	
Total BTEX	<0.300	0.300	09/14/2023	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	32.0	16.0	09/15/2023	ND	416	104	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	09/14/2023	ND	201	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	214	107	200	6.03	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/14/2023	Sampling Date:	09/14/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Dionica Hinojos
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 50 A ( 10' ) (H234976-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	2.03	101	2.00	0.112	
Toluene*	<0.050	0.050	09/14/2023	ND	2.06	103	2.00	0.0707	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.02	101	2.00	0.563	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.14	102	6.00	1.85	
Total BTEX	<0.300	0.300	09/14/2023	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
<b>Chloride</b>	<b>208</b>	16.0	09/15/2023	ND	416	104	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	09/14/2023	ND	201	101	200	1.47	
<b>DRO &gt;C10-C28*</b>	<b>183</b>	10.0	09/14/2023	ND	214	107	200	6.03	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/14/2023	Sampling Date:	09/14/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Dionica Hinojos
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 11 ( 4'-10' ) (H234976-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	2.03	101	2.00	0.112	
Toluene*	<0.050	0.050	09/14/2023	ND	2.06	103	2.00	0.0707	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.02	101	2.00	0.563	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.14	102	6.00	1.85	
Total BTEX	<0.300	0.300	09/14/2023	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	384	16.0	09/15/2023	ND	416	104	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	09/14/2023	ND	201	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	214	107	200	6.03	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/14/2023  
 Reported: 09/15/2023  
 Project Name: COTTON MX  
 Project Number: 237303  
 Project Location: EOG - EDDY COUNTY

Sampling Date: 09/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW - 12 ( 0-4' ) (H234976-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	2.03	101	2.00	0.112	
Toluene*	<0.050	0.050	09/14/2023	ND	2.06	103	2.00	0.0707	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.02	101	2.00	0.563	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.14	102	6.00	1.85	
Total BTEX	<0.300	0.300	09/14/2023	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	288	16.0	09/15/2023	ND	416	104	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	09/14/2023	ND	201	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	214	107	200	6.03	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 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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Mike Snyder For 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>NTCOE</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Bekky Haskel</u>		P.O. #:													
Address: <u>209 W McElroy St</u>		Company:													
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn:													
Phone #: <u>432 924-8056</u> Fax #:		Address:													
Project #: <u>237303</u> Project Owner: <u>EOG</u>		City:													
Project Name: <u>Cotton Mx</u>		State: Zip:													
Project Location: <u>Eddy County</u>		Phone #:													
Sampler Name: <u>Cylee Keene</u>		Fax #:													

FOR LAB USE ONLY H234976	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME	TPH	Chlorides	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER							
	3334	CS-58 (4')	1			X								9-14	10:00				
		CS-50A (10')				X									10:05				
		SW-11 (4-10')				X									10:10				
		SW-12 (0-4')				X									10:15				

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Relinquished By: <u>[Signature]</u>	Date: <u>9-14</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <u>[Signature]</u>	Time: <u>2:02</u>	Received By: <u>[Signature]</u>	All Results are emailed. Please provide Email address:	
Relinquished By: <u>[Signature]</u>	Date: <u>9/14/23</u>	Received By: <u>[Signature]</u>	REMARKS:	
Relinquished By: <u>[Signature]</u>	Time: <u>14:03</u>	Received By: <u>[Signature]</u>		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>1.32</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>[Signature]</u>	Turnaround Time: <u>24 hr.</u>
	Corrected Temp. °C	<input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No
				Thermometer ID #140 Correction Factor 0°C

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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September 22, 2023

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

RE: COTTON MX

Enclosed are the results of analyses for samples received by the laboratory on 09/21/23 15:53.

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](http://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 "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: DT - 1 (10') (H235140-01)**

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	09/21/2023	ND	1.94	96.8	2.00	0.667	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	6.41	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.154	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.37	106	6.00	0.783	
Total BTEX	<0.300	0.300	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	09/22/2023	ND	432	108	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	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: DT - 2 (10') (H235140-02)**

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	09/21/2023	ND	1.94	96.8	2.00	0.667	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	6.41	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.154	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.37	106	6.00	0.783	
Total BTEX	<0.300	0.300	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	160	16.0	09/22/2023	ND	432	108	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	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: DT - 3 (10') (H235140-03)**

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	09/21/2023	ND	1.94	96.8	2.00	0.667	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	6.41	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.154	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.37	106	6.00	0.783	
Total BTEX	<0.300	0.300	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	528	16.0	09/22/2023	ND	432	108	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	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: DT - 4 (6') (H235140-04)**

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	09/21/2023	ND	1.94	96.8	2.00	0.667	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	6.41	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.154	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.37	106	6.00	0.783	
Total BTEX	<0.300	0.300	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	336	16.0	09/22/2023	ND	432	108	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	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: DT - 5 (6') (H235140-05)**

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	09/21/2023	ND	1.94	96.8	2.00	0.667	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	6.41	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.154	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.37	106	6.00	0.783	
Total BTEX	<0.300	0.300	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	560	16.0	09/22/2023	ND	432	108	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	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: DT - 6 (20') (H235140-06)**

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	09/21/2023	ND	1.94	96.8	2.00	0.667	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	6.41	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.154	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.37	106	6.00	0.783	
Total BTEX	<0.300	0.300	09/21/2023	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	720	16.0	09/22/2023	ND	432	108	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	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <b>NTGE</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>						
Project Manager: <b>Bekky Haskel</b>		P.O. #:								
Address: <b>209 W McKay</b>		Company:								
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>		Attn:								
Phone #: <b>432 924 8056</b> Fax #:		Address:								
Project #: <b>237303</b> Project Owner: <b>EOG</b>		City:								
Project Name: <b>Cotton mx</b>		State: Zip:								
Project Location: <b>Eddy County</b>		Phone #:								
Sampler Name: <b>Walter Campbell</b>		Fax #:								
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	GROUNDWATER	ACID/BASE:	DATE	TIME	<b>PH</b> <b>Chlorides</b> <b>BTEX</b>			
<b>H235140</b>		# CONTAINERS	WASTEWATER	ICE / COOL						
1	DT-1 (10')		SOIL	OTHER:	<b>9-21</b>	<b>10:00 AM</b>				
2	DT-2 (10')		OIL							
3	DT-3 (10')		SLUDGE							
4	DT-4 (6')		OTHER:							
5	DT-5 (6')									
6	DT-6 (20')									

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: <b>9-21</b>	Received By:	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:	
Time: <b>3:53</b>			All Results are emailed. Please provide Email address:		
Relinquished By:	Date:	Received By:	REMARKS:		
Time:					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: <b>-0.8</b>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <b>JK</b>	Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Corrected Temp. °C:			Thermometer ID #140 Correction Factor 0°C	Observed Temp. °C: Corrected Temp. °C:

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



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

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October 03, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON MX

Enclosed are the results of analyses for samples received by the laboratory on 10/02/23 14:38.

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](http://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 style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2023  
 Reported: 10/03/2023  
 Project Name: COTTON MX  
 Project Number: 237303  
 Project Location: EOG - EDDY COUNTY

Sampling Date: 09/29/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 1 (4') (H235345-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.21	111	2.00	1.62	
Toluene*	<0.050	0.050	10/03/2023	ND	2.34	117	2.00	1.30	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.35	117	2.00	1.99	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.55	109	6.00	1.86	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	2480	16.0	10/03/2023	ND	448	112	400	0.00	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	10/03/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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\* = 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	09/29/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 2 (4') (H235345-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2023	ND	2.21	111	2.00	1.62		
Toluene*	<0.050	0.050	10/03/2023	ND	2.34	117	2.00	1.30		
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.35	117	2.00	1.99		
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.55	109	6.00	1.86		
Total BTEX	<0.300	0.300	10/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	2360	16.0	10/03/2023	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	10/03/2023	ND	186	92.8	200	1.04		
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	219	109	200	5.43		
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND						

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	09/28/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: DT - 26 (26') (H235345-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2023	ND	2.21	111	2.00	1.62		
Toluene*	<0.050	0.050	10/03/2023	ND	2.34	117	2.00	1.30		
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.35	117	2.00	1.99		
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.55	109	6.00	1.86		
Total BTEX	<0.300	0.300	10/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	
<b>Chloride</b>	<b>512</b>	16.0	10/03/2023	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	10/03/2023	ND	186	92.8	200	1.04		
<b>DRO &gt;C10-C28*</b>	<b>14.8</b>	10.0	10/03/2023	ND	219	109	200	5.43		
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND						

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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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\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



# Chain of Custody

Work Order No: H235345

Page 1 of 1

Project Manager:	Becky Haskell	Bill to: (if different)	Chase Settle
Company Name:	NTG Environmental	Company Name:	EOG
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:

Project Name:	Cotton MX		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes								
Project Number:	237303		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush																		None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Eddy County		Due Date:	24 hr	Parameters BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500 HOLD																Cool: Cool	MeOH: Me		
Sampler's Name:	Tyler Kimball		TAT starts the day received by the lab, if received by 4:30pm																			HCL: HC	HNO <sub>3</sub> : HN	
PO #:																						H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
<b>SAMPLE RECEIPT</b>			Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140																				NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:																					Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	0.9c																				Zn Acetate+NaOH: Zn	
Total Containers:	3		Corrected Temperature:																			NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water		Grab/Comp	# of Cont																	Sample Comments
CS-1 (4')	9/29/2023	9:00	x			Comp	1	x	x	x														
CS-2 (4')	9/29/2023	9:05	x		Comp	1	x	x	x															
DT-6 (26')	9/28/2023	9:00	x		Comp	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 TK	10/2/23	8:20 am	2		
3			4		
5			6		



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

---

October 03, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON MX

Enclosed are the results of analyses for samples received by the laboratory on 10/02/23 15:05.

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](http://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".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 6A (0-4') (H235349-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	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	48.0	16.0	10/03/2023	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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 9 (0-4') (H235349-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	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	80.0	16.0	10/03/2023	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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 13 (0-4') (H235349-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1070	16.0	10/03/2023	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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 14 (0-4') (H235349-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1340	16.0	10/03/2023	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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 15 (0-4') (H235349-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	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	160	16.0	10/03/2023	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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 59 (4') (H235349-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	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	2000	16.0	10/03/2023	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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 60 (4') (H235349-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	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	1040	16.0	10/03/2023	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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 61 (4') (H235349-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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
<b>Chloride</b>	<b>1680</b>	16.0	10/03/2023	ND	432	108	400	3.64	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	10/03/2023	ND	204	102	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>47.2</b>	10.0	10/03/2023	ND	226	113	200	2.67	
<b>EXT DRO &gt;C28-C36</b>	<b>15.3</b>	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 62 (4') (H235349-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	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
<b>Chloride</b>	<b>1520</b>	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	204	102	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>117</b>	10.0	10/03/2023	ND	226	113	200	2.67	
<b>EXT DRO &gt;C28-C36</b>	<b>40.7</b>	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 63 (4') (H235349-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	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
<b>Chloride</b>	<b>2030</b>	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	204	102	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>139</b>	10.0	10/03/2023	ND	226	113	200	2.67	
<b>EXT DRO &gt;C28-C36</b>	<b>32.8</b>	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 64 (4') (H235349-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.01	101	2.00	0.653	
Toluene*	<0.050	0.050	10/03/2023	ND	2.05	102	2.00	0.797	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.97	98.6	2.00	0.412	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.94	99.0	6.00	0.779	
Total BTEX	<0.300	0.300	10/03/2023	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	1470	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 65 (4') (H235349-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	1250	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 66 (4') (H235349-13)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44		
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06		
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26		
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04		
Total BTEX	<0.300	0.300	10/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	
<b>Chloride</b>	<b>1390</b>	16.0	10/03/2023	ND	432	108	400	3.64		

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	10/03/2023	ND	204	102	200	1.89		
<b>DRO &gt;C10-C28*</b>	<b>28.3</b>	10.0	10/03/2023	ND	226	113	200	2.67		
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 67 (4') (H235349-14)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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
<b>Chloride</b>	<b>1520</b>	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	204	102	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>101</b>	10.0	10/03/2023	ND	226	113	200	2.67	
<b>EXT DRO &gt;C28-C36</b>	<b>37.0</b>	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 68 (4') (H235349-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	1890	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 69 (4') (H235349-16)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1600	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	204	102	200	1.89	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	226	113	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 70 (4') (H235349-17)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	1360	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 71 (4') (H235349-18)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	1550	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 72 (4') (H235349-19)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	1650	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 73 (4') (H235349-20)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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
<b>Chloride</b>	<b>1680</b>	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 74 (4') (H235349-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	2030	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 75 (4') (H235349-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	2200	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 76 (4') (H235349-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1140	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 77 (4') (H235349-24)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	1340	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 78 (4') (H235349-25)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	1020	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 79 (4') (H235349-26)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44	
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04	
Total BTEX	<0.300	0.300	10/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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
<b>Chloride</b>	<b>1070</b>	16.0	10/03/2023	ND	432	108	400	3.64	

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	10/03/2023	ND	196	98.2	200	2.27	
<b>DRO &gt;C10-C28*</b>	<b>43.1</b>	10.0	10/03/2023	ND	217	109	200	0.0267	
<b>EXT DRO &gt;C28-C36</b>	<b>23.8</b>	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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\*=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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 80 (4') (H235349-27)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2023	ND	2.24	112	2.00	4.44		
Toluene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	6.06		
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	2.37	118	2.00	5.26		
Total Xylenes*	<0.150	0.150	10/03/2023	ND	6.56	109	6.00	5.04		
Total BTEX	<0.300	0.300	10/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	720	16.0	10/03/2023	ND	432	108	400	3.64		

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	10/03/2023	ND	196	98.2	200	2.27		
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	217	109	200	0.0267		
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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Celey D. Keene

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: <b>NTGE</b>		<b>BILL TO</b>			<b>ANALYSIS REQUEST</b>															
Project Manager: <b>Betsy Haskel</b>		P.O. #:																		
Address: <b>209 W McKay St</b>		Company:																		
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>		Attn:																		
Phone #: <b>432 924 8086</b> Fax #:		Address:																		
Project #: <b>237303</b> Project Owner: <b>E06</b>		City:																		
Project Name: <b>Cotton MX</b>		State: Zip:																		
Project Location: <b>Eddy County</b>		Phone #:																		
Sampler Name: <b>Tyler Kimball</b>		Fax #:																		
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.	ACID/BASE:	ICE / COOL	OTHER:	SAMPLING	DATE	TIME			
<b>H235349</b>							X													
1	SW-6A (0-4')		1													10-2	9:00			
2	SW-9 (0-4')																			
3	SW-13 (0-4')																			
4	SW-14 (0-4')																			
5	SW-15 (0-4')																			
6	CS-59 (4')																			
7	CS-60 (4')																			
8	CS-61 (4')																			
9	CS-62 (4')																			
10	CS-63 (4')																			

Chlorides  
TPH  
BTEX

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Relinquished By:	Date: <b>10-2</b>	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
Time: <b>3:15pm</b>			All Results are emailed. Please provide Email address:		
Relinquished By:	Date:	Received By:	REMARKS:		
Time:					
Delivered By: (Circle One)	Observed Temp. °C <b>0.7</b>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: (Initials) <b>VO</b>	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140 Correction Factor 0°C	Observed Temp. °C
		<input type="checkbox"/> No <input type="checkbox"/> No		<b>24hrs</b>	Corrected Temp. °C

FORM-000 R 3-4 07/11/23

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTGE</b>		<b>BILL TO</b>			<b>ANALYSIS REQUEST</b>												
Project Manager: <b>Betsy Haskell</b>		P.O. #:			<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> <b>Charles</b> <b>PH</b> <b>DEX</b> </div> </div>												
Address: <b>2001 W. McKay St</b>		Company:															
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>		Attn:															
Phone #: <b>432 924 8086</b> Fax #:		Address:															
Project #: <b>237303</b> Project Owner: <b>EOG</b>		City:															
Project Name: <b>Cotton MX</b>		State: Zip:															
Project Location: <b>Eddy County</b>		Phone #:															
Sampler Name: <b>Tyler Kimball</b>		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING											
				GROUNDWATER		DATE	TIME										
				WASTEWATER													
				SOIL													
				OIL													
				SLUDGE													
				OTHER:													
				ACID/BASE:													
				ICE / COOL													
				OTHER:													

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Relinquished By:	Date: <b>10-2</b>	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
Time: <b>3:05pm</b>			All Results are emailed. Please provide Email address:		
Relinquished By:	Date:	Received By:	REMARKS:		
Time:					
Delivered By: (Circle One)	Observed Temp. °C <b>0.7</b>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <b>TO</b>	Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
Sampler - UPS - Bus - Other:	Corrected Temp. °C			Thermometer ID #140 <b>24605</b>	Observed Temp. °C
				Correction Factor 0°C	Corrected Temp. °C

FORM 600 R 3.4 07/11/23

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

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October 05, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON MX

Enclosed are the results of analyses for samples received by the laboratory on 10/04/23 14:30.

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](http://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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/04/2023	Sampling Date:	10/04/2023
Reported:	10/05/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 13 ( 0-4' ) (H235401-01)**

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	10/04/2023	ND	2.13	106	2.00	1.33	
Toluene*	<0.050	0.050	10/04/2023	ND	2.10	105	2.00	0.710	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.20	110	2.00	0.438	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.61	110	6.00	0.0625	
Total BTEX	<0.300	0.300	10/04/2023	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	32.0	16.0	10/05/2023	ND	432	108	400	3.64	

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	10/04/2023	ND	191	95.3	200	9.47	
DRO >C10-C28*	<10.0	10.0	10/04/2023	ND	197	98.7	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	10/04/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/04/2023	Sampling Date:	10/04/2023
Reported:	10/05/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 14 ( 0-4' ) (H235401-02)**

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	10/04/2023	ND	2.13	106	2.00	1.33	
Toluene*	<0.050	0.050	10/04/2023	ND	2.10	105	2.00	0.710	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.20	110	2.00	0.438	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.61	110	6.00	0.0625	
Total BTEX	<0.300	0.300	10/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	976	16.0	10/05/2023	ND	432	108	400	3.64	

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	10/05/2023	ND	191	95.3	200	9.47	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	197	98.7	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/04/2023	Sampling Date:	10/04/2023
Reported:	10/05/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 81 ( 4' ) (H235401-03)**

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	10/04/2023	ND	2.13	106	2.00	1.33	
Toluene*	<0.050	0.050	10/04/2023	ND	2.10	105	2.00	0.710	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.20	110	2.00	0.438	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.61	110	6.00	0.0625	
Total BTEX	<0.300	0.300	10/04/2023	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	1920	16.0	10/05/2023	ND	432	108	400	3.64	

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	10/05/2023	ND	191	95.3	200	9.47	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	197	98.7	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/04/2023	Sampling Date:	10/04/2023
Reported:	10/05/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 82 ( 4' ) (H235401-04)**

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	10/04/2023	ND	2.13	106	2.00	1.33	
Toluene*	<0.050	0.050	10/04/2023	ND	2.10	105	2.00	0.710	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.20	110	2.00	0.438	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.61	110	6.00	0.0625	
Total BTEX	<0.300	0.300	10/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1720	16.0	10/05/2023	ND	432	108	400	3.64	

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	10/05/2023	ND	191	95.3	200	9.47	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	197	98.7	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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October 16, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON MX

Enclosed are the results of analyses for samples received by the laboratory on 10/13/23 12:24.

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](http://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".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/13/2023	Sampling Date:	10/13/2023
Reported:	10/16/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 14A (0-4) (H235603-01)**

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	10/13/2023	ND	1.94	96.9	2.00	3.51	
Toluene*	<0.050	0.050	10/13/2023	ND	1.89	94.5	2.00	0.190	
Ethylbenzene*	<0.050	0.050	10/13/2023	ND	2.03	102	2.00	4.96	
Total Xylenes*	<0.150	0.150	10/13/2023	ND	5.93	98.9	6.00	1.64	
Total BTEX	<0.300	0.300	10/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	<b>560</b>	16.0	10/16/2023	ND	432	108	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	10/13/2023	ND	198	99.2	200	0.491	
DRO >C10-C28*	<10.0	10.0	10/13/2023	ND	188	94.1	200	0.272	
EXT DRO >C28-C36	<10.0	10.0	10/13/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/13/2023	Sampling Date:	10/13/2023
Reported:	10/16/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 16 (4-8) (H235603-02)**

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	10/13/2023	ND	1.94	96.9	2.00	3.51		
Toluene*	<0.050	0.050	10/13/2023	ND	1.89	94.5	2.00	0.190		
Ethylbenzene*	<0.050	0.050	10/13/2023	ND	2.03	102	2.00	4.96		
Total Xylenes*	<0.150	0.150	10/13/2023	ND	5.93	98.9	6.00	1.64		
Total BTEX	<0.300	0.300	10/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	16.0	16.0	10/16/2023	ND	432	108	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	10/13/2023	ND	198	99.2	200	0.491		
DRO >C10-C28*	<10.0	10.0	10/13/2023	ND	188	94.1	200	0.272		
EXT DRO >C28-C36	<10.0	10.0	10/13/2023	ND						

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/13/2023	Sampling Date:	10/13/2023
Reported:	10/16/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: SW - 17 (4-10) (H235603-03)**

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	10/13/2023	ND	1.94	96.9	2.00	3.51	
Toluene*	<0.050	0.050	10/13/2023	ND	1.89	94.5	2.00	0.190	
Ethylbenzene*	<0.050	0.050	10/13/2023	ND	2.03	102	2.00	4.96	
Total Xylenes*	<0.150	0.150	10/13/2023	ND	5.93	98.9	6.00	1.64	
Total BTEX	<0.300	0.300	10/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	48.0	16.0	10/16/2023	ND	432	108	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	10/13/2023	ND	198	99.2	200	0.491	
DRO >C10-C28*	<10.0	10.0	10/13/2023	ND	188	94.1	200	0.272	
EXT DRO >C28-C36	<10.0	10.0	10/13/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/13/2023	Sampling Date:	10/13/2023
Reported:	10/16/2023	Sampling Type:	Soil
Project Name:	COTTON MX	Sampling Condition:	Cool & Intact
Project Number:	237303	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY		

**Sample ID: CS - 83 (4) (H235603-04)**

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	10/13/2023	ND	1.94	96.9	2.00	3.51		
Toluene*	<0.050	0.050	10/13/2023	ND	1.89	94.5	2.00	0.190		
Ethylbenzene*	<0.050	0.050	10/13/2023	ND	2.03	102	2.00	4.96		
Total Xylenes*	<0.150	0.150	10/13/2023	ND	5.93	98.9	6.00	1.64		
Total BTEX	<0.300	0.300	10/13/2023	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	1070	16.0	10/16/2023	ND	432	108	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	10/13/2023	ND	198	99.2	200	0.491		
DRO >C10-C28*	<10.0	10.0	10/13/2023	ND	188	94.1	200	0.272		
EXT DRO >C28-C36	<10.0	10.0	10/13/2023	ND						

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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**Notes and Definitions**

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- 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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 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 280151

**CONDITIONS**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 280151
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
bhall	Closure approved. This site is plugged and abandoned. A reclamation report will need to be submitted.	3/18/2024
bhall	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/18/2024
bhall	A revegetation report will not be accepted until the release area are complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/18/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved.	3/18/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/18/2024