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

October 10, 2022

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

Re: Closure Report
GOVERNMENT AA COM #002
Colgate Operating, LLC.
Site Location: Unit D-23-20S-28E
(Lat 32.5658798º, Long -104.1557693 º)
Eddy County, New Mexico
Incident ID: NAB1502037424

Mr. Bratcher:

On behalf of Colgate Operating, LLC (Colgate), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the GOVERNMENT AA COM #002 location (Site). The Site is located approximately 11 miles northeast of Carlsbad, New Mexico in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 6, 2015. The release was a result of a gas supply line freezing causing fluid to discharge from the field vent. The discharge resulted in the release of approximately 15 barrels (bbls) of crude oil of which ten where recovered. Upon discovery, the well was shut-in and area was secured. The release is shown on Figure 3. The initial C-141 form is attached.

Site Characterization

The Site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½ mile radius of the location. The nearest identified well is located 0.89 miles south of the Site in Section 14, T20S, R28E. The well was drilled in 1973 and the reported depth to groundwater is 140 feet below ground surface (ft bgs). The site characterization information and the associated USGS summary report is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria are applicable to the Site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

Site Assessment

On June 24, 2022, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of two sample points (S-1 and S-2) were installed within the release area to characterize and vertically delineate the potential impacts. Additionally, four horizontal delineation sample points (H-1 through H-4) were installed to define the extent of potential impacts. Soil samples were collected in 0.5 to 1 ft depth intervals and collected from soil borings advanced to depths ranging from 0 – 2.5 ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown on Figure 3.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol. Soil samples were collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Analytical results of the samples are included in Table 1. Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Analytical results were below the regulatory limits for all analytes in all samples except sample point H-11 which identified chloride concentrations above the regulatory limit. The horizontal and vertical extent of impacts were not identified at the Site; however, additional delineation efforts were achieved during remedial action activities detailed in a subsequent section of this letter.

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Colgate proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to the depths detailed below and illustrated on Figure 4.

- The areas of S-1 & S-2 were excavated to a depth of 2.5 ft bgs.

The soils were field screened during excavation activities to aide in determining final excavation depths, primarily in the areas of H-1 where the horizontal delineation of impacts was not achieved during site assessment activities. Following excavation activities, a total of six composite confirmation samples were collected from the excavation base (i.e., CS-1 through CS-6) and seven composite confirmation samples were collected from the excavation sidewalls (i.e., SW-1 through-SW-7) to ensure impacted soil was removed.

The confirmation samples were collected from areas representing no greater than 200 square ft and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B or 300.0). Analytical results indicated that all impacted soils were successfully excavated.

The excavated soils were transported to a NMOCD approved facility, Lea Land LLC. (Lea Land), for final disposition. A total of 228 cubic yards of impacted soils were hauled to Lea Land.

The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 2. Following receipt of the analytical results the area was backfilled and graded to a near natural state.

Closing

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

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

Sincerely,
NTG Environmental

Ethan Sessums
Project Manager

Attachments:

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

Ethan Sessums

From: Ethan Sessums
Sent: Friday, September 9, 2022 4:17 PM
To: ocd.enviro@state.nm.us
Cc: Tyler Kimball
Subject: Confirmation Sampling Event

We will be conducting a confirmation sampling event on behalf of Colgate on September the 12th 2022 around 10 am

Government AA COM #2 (2RP-2745)

Ethan Sessums
Project Manager
NTG Environmental New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
http://www.ntgenvironmental.com/

C-141 Documentation

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

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

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 15 2015
RECEIVED

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

nAB1502037424

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company : **Oxy Permian LTD (192463)**	Contact : **Chris Jones**
Address : **1502 W. Commerce, Carlsbad, NM 88220**	Telephone No. : **575-628-4121**
Facility Name : **North Burton Flats Battery (Government AA #2)**	Facility Type: **Central Tank Battery**

Surface Owner : **Federal**	Mineral Owner	API#: **30-015-33283** Lease No.: **NM 18293**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: **Eddy, NM**
D	**23**	**20S**	**28E**					

Latitude 32.5658815 N **Longitude** -104.1557648 W

NATURE OF RELEASE

Type of Release : **Oil**	Volume of Release : **15 bbls**	Volume Recovered: **10 bbls**
Source of Release : **Gas Supply Line**	Date and Hour of Occurrence: **1/5/2015**	Date and Hour of Discovery: **1/6/2015 11:19 am**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **OCD/Mike Bratcher via telephone BLM/Jim Amos via email**	
By Whom: **Kimberly M. Wilson**	Date and Hour : **1/8/2015 10:00 am**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A gas supply line froze and lost pressure sending the fluid to the field vent releasing 15 barrels of oil. The facility was shut-in and the gas line repaired. A vac truck was immediately called to the location and recovered 10 barrels of oil.

Describe Area Affected and Cleanup Action Taken.* The area impacted measured approximately 20'x12' inside the containment. The oil breached the berms and impacted approximately 25'x15 onto the location. Talon/LPE has been contracted to complete site assessment and 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 NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: **Chris Jones**	OIL CONSERVATION DIVISION Approved by District Supervisor:	
Printed Name: **Chris Jones**		
Title: **HES Specialist**	Approval Date: 1/14/15	Expiration Date: NA
E-mail Address: **Christopher_Jones@oxy.com**	Conditions of Approval:	Attached ☐
Date: **1/9/2015** Phone: **575-628-4121**	**Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO LATER THAN:** 2/16/15	

* Attach Additional Sheets If Necessary

2RP-2745

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NAB1502037424
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	140 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Received by OCD: 10/13/2022 9:38:08 AM

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Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1502037424
District RP	
Facility ID	
Application ID	

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: Nikki Mishler

Title: Senior Environmental Representative

Signature: Nikki Mishler

Date: 10/12/2022

email: Nikki.Mishler@cdevinc.com

Telephone: 432-634-8722

OCD Only

Received by: Jocelyn Harimon

Date: 10/13/2022

Received by OCD: 10/13/2022 9:38:08 AM

Released to Imaging: 12/15/2022 7:55:49 AM

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NAB1502037424
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

☐ Extents of contamination must be fully delineated.

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

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

Printed Name: Nikki Mishler Title: Senior Environmental Representative

Signature: Nikki Mishler Date: 10/12/2022

email: Nikki.Mishler@cdevinc.com Telephone: 432-634-8722

OCD Only

Received by: Jocelyn Harimon Date: 10/13/2022

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

Signature: _____ Date: _____

Received by OCD: 10/13/2022 9:38:08 AM

Released to Imaging: 12/15/2022 7:55:49 AM

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1502037424
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Nikki Mishler Title: Senior Environmental Representative

Signature: Nikki Mishler Date: 10/12/2022

email: Nikki.Mishler@cdevinc.com Telephone: 432-634-8722

OCD Only

Received by: Jocelyn Harimon Date: 10/13/2022

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

Closure Approved by: Ashley Maxwell Date: 12/15/2022

Printed Name: Ashley Maxwell Title: Environmental Specialist

Received by OCD: 10/13/2022 9:38:08 AM

Released to Imaging: 12/15/2022 7:55:49 AM

SITE CHARACTERIZATION INFORMATION

Colgate Operating, LLC - Government AA Com 2H
Sec 23 T20S R28E Unit D
32.5658798, -104.1557693
Eddy County, New Mexico

Site Characterization
-No water features within specified distances of 1/2 mile radius, drilled within 25 years

-High Karst

-NMSEO Groundwater is 70' below surface, 1.02 miles North of the site, 2021 Drilled, Section 15, T20S, R28E
-NMSEO Groundwater is 140' below surface, 0.89 miles North-northeast of the site, 1973 Drilled, Section 14, T20S, R28E
-USGS Groundwater is 40.54' below surface, 1.04 miles North-northeast of the site, 1984 Drilled, Section 14, T20S, R28E
-USGS Groundwater is 34.78' below surface, 1.24 miles South-southwest of the site, 1999 Drilled, Section 27, T20S, R28E
-USGS Groundwater is 44.35' below surface, 1.30 miles North-northeast of the site, 1983 Drilled, Section 13, T20S, R28E

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

Received by OCD: 10/13/2022 9:38:08 AM

High Karst

Colgate Operating, LLC
Eddy County, New Mexico
32.5658798, -104.1557693

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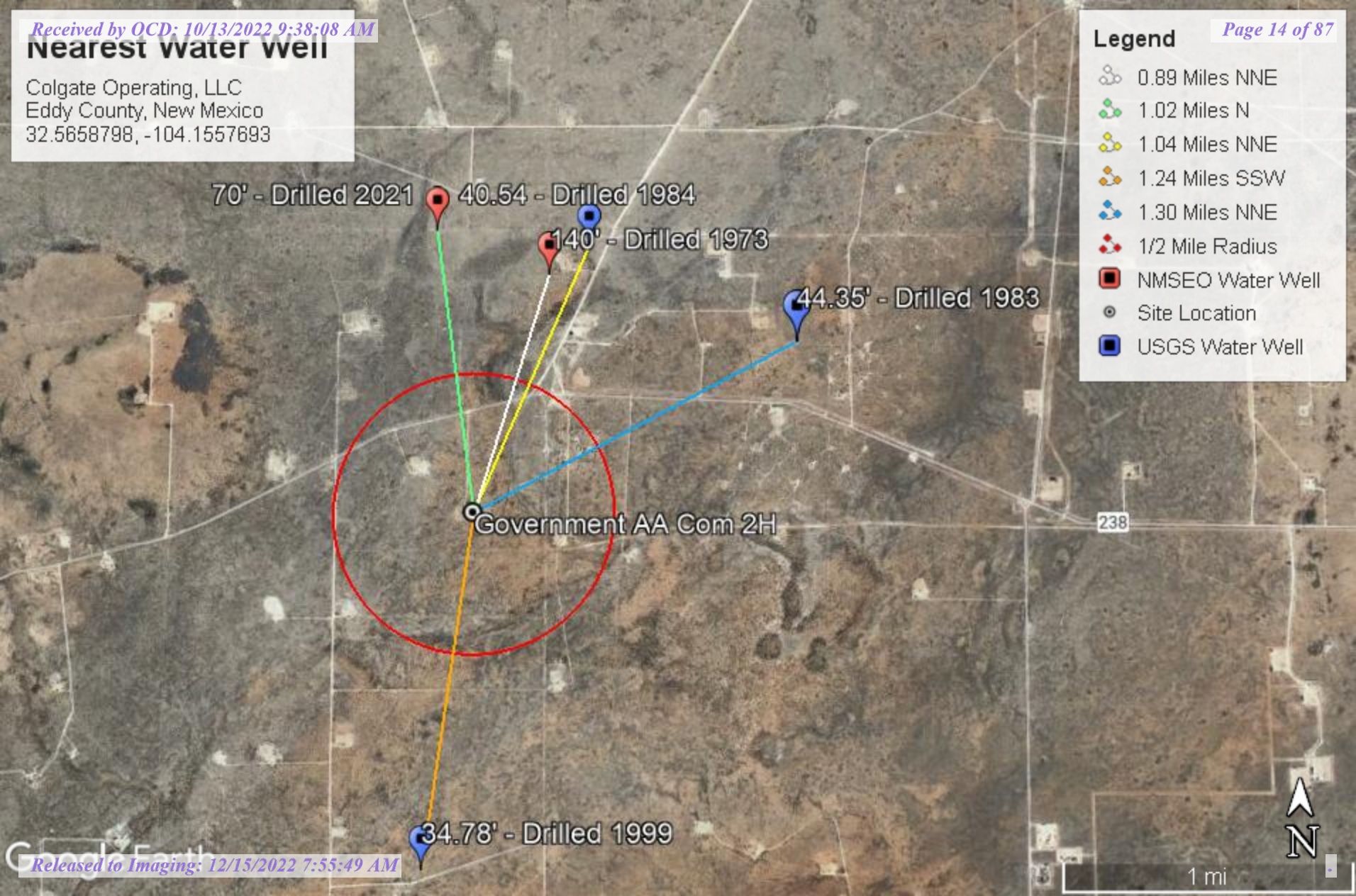
Received by OCD: 10/13/2022 9:38:08 AM

Nearest Water Well

Colgate Operating, LLC
Eddy County, New Mexico
32.5658798, -104.1557693



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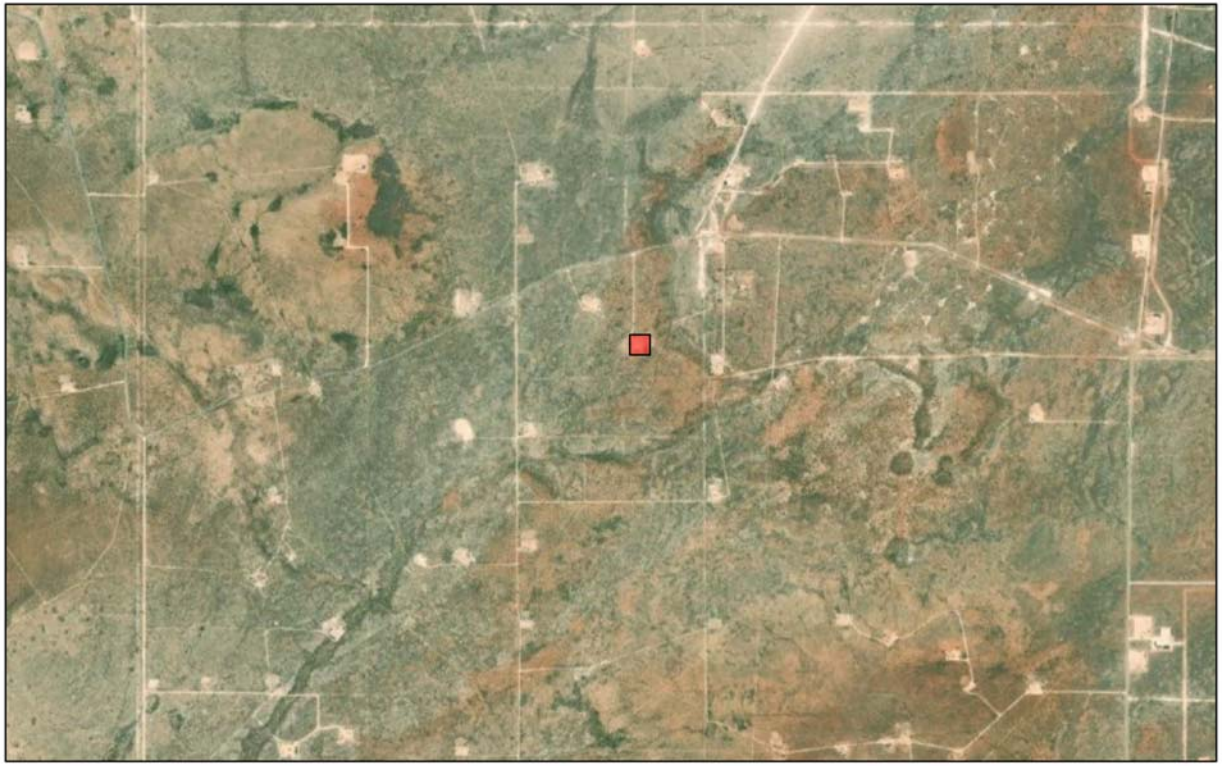
Received by OCD: 10/13/2022 9:38:08 AM

New Mexico NFHL Data



September 22, 2022

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

FEMA, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS

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

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

Released to Imaging: 12/15/2022 7:55:49 AM

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
20D82	CP 01862 POD1	2	2	2	15	20S	28E	579002	3605104

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

Driller Name: BRYCE WALLACE

Drill Start Date: 08/24/2021 **Drill Finish Date:** 08/25/2021 **Plug Date:**

Log File Date: 05/28/2022 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 12 GPM

Casing Size: 6.00 **Depth Well:** 150 feet **Depth Water:** 70 feet

Water Bearing Stratifications:

Top	Bottom	Description
30	100	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
80	150

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00525	3	2	1	14	20S	28E	579656	3604847*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name:

Drill Start Date:	10/14/1973	**Drill Finish Date:**	10/24/1973	**Plug Date:**	
Log File Date:	11/05/1973	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	40 GPM
Casing Size:	7.00	**Depth Well:**	171 feet	**Depth Water:**	140 feet

Water Bearing Stratifications:

Top	Bottom	Description
140	171	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
140	171

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

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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

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

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

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

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00525		CP	ED	3	2	1	14	20S	28E	579656	3604847*	1429	171	140	31
CP 01862 POD1		CP	ED	2	2	2	15	20S	28E	579002	3605104	1646	150	70	80

Average Depth to Water: **105 feet**

Minimum Depth: **70 feet**

Maximum Depth: **140 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 579249.68 **Northing (Y):** 3603476.29 **Radius:** 3000

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

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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

Groundwater New Mexico GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323253104093101

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

USGS 323253104093101 20S.28E.27.241323

Eddy County, New Mexico
Latitude 32°32'53", Longitude 104°09'31" NAD27
Land-surface elevation 3,225 feet above NAVD88
The depth of the well is 80 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-05-23		D	62610		3189.88	NGVD29	1	Z			A
1968-05-23		D	62611		3191.43	NAVD88	1	Z			A
1968-05-23		D	72019	33.57			1	Z			A
1971-02-09		D	62610		3190.37	NGVD29	1	Z			A
1971-02-09		D	62611		3191.92	NAVD88	1	Z			A
1971-02-09		D	72019	33.08			1	Z			A
1976-10-28		D	62610		3189.50	NGVD29	1	Z			A
1976-10-28		D	62611		3191.05	NAVD88	1	Z			A
1976-10-28		D	72019	33.95			1	Z			A
1976-12-08		D	62610		3190.32	NGVD29	1	Z			A
1976-12-08		D	62611		3191.87	NAVD88	1	Z			A
1976-12-08		D	72019	33.13			1	Z			A
1983-01-13		D	62610		3191.09	NGVD29	1	Z			A
1983-01-13		D	62611		3192.64	NAVD88	1	Z			A
1983-01-13		D	72019	32.36			1	Z			A
1994-03-03		D	62610		3189.01	NGVD29	1	S			A
1994-03-03		D	62611		3190.56	NAVD88	1	S			A
1994-03-03		D	72019	34.44			1	S			A
1999-01-28		D	62610		3188.67	NGVD29	1	S			A
1999-01-28		D	62611		3190.22	NAVD88	1	S			A
1999-01-28		D	72019	34.78			1	S			A

Explanation

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

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
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-09-22 15:13:20 EDT
0.36 0.32 nadww01

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323447104085601

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

USGS 323447104085601 20S.28E.14.12322

Eddy County, New Mexico
Latitude 32°34'47", Longitude 104°08'56" NAD27
Land-surface elevation 3,248 feet above NAVD88
The depth of the well is 171 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1984-04-27		D	62610		3205.92	NGVD29	1	Z			A
1984-04-27		D	62611		3207.46	NAVD88	1	Z			A
1984-04-27		D	72019	40.54			1	Z			A

Explanation

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

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
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0.27 0.25 nadww01

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323429104081001

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

USGS 323429104081001 20S.28E.13.13344

Eddy County, New Mexico
Latitude 32°34'29", Longitude 104°08'10" NAD27
Land-surface elevation 3,252 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-05-23		D	62610		3203.18	NGVD29	1	Z			A
1968-05-23		D	62611		3204.72	NAVD88	1	Z			A
1968-05-23		D	72019	47.28			1	Z			A
1971-02-08		D	62610		3204.48	NGVD29	1	Z			A
1971-02-08		D	62611		3206.02	NAVD88	1	Z			A
1971-02-08		D	72019	45.98			1	Z			A
1976-12-08		D	62610		3205.69	NGVD29	1	Z			A
1976-12-08		D	62611		3207.23	NAVD88	1	Z			A
1976-12-08		D	72019	44.77			1	Z			A
1983-01-10		D	62610		3206.11	NGVD29	1	Z			A
1983-01-10		D	62611		3207.65	NAVD88	1	Z			A
1983-01-10		D	72019	44.35			1	Z			A

Explanation

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

Section	Code	Description
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-09-22 15:15:36 EDT
0.34 0.29 nadww01

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TABLES

Released to Imaging: 12/15/2022 7:55:49 AM

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Table 1
Colgate
Government AA Com 2H
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
S-1	6/24/2022	2-2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**23.7**
S-2	6/24/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**61.7**
H-1	6/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**677**
H-2	6/24/2022	--	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**12.2**
H-3	6/24/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**17.4**
H-4	6/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**25.4**
Regulatory Limits [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- total petroleum hydrocarbons

ft-feet

- exceeds regulatory limits

NTGE Project No. 225839

Perpared By: NTG ENVIRONMENTAL

Released to Imaging: 12/14/2022 7:55:49 AM

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Table 2
Colgate
Government AA Com 2H
Eddy County NM

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	9/12/2022	N/A	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**<16.0**
SW-2	9/12/2022	N/A	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**<16.0**
SW-3	9/12/2022	N/A	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**128**
SW-4	9/12/2022	N/A	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**<16.0**
SW-5	9/12/2022	N/A	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**144**
SW-6	9/12/2022	N/A	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**32.0**
SW-7	9/12/2022	N/A	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**<16.0**
CS-1	9/12/2022	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**96.0**
CS-2	9/12/2022	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**32.0**
CS-3	9/12/2022	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**32.0**
CS-4	9/12/2022	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**64.0**
CS-5	9/12/2022	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**96.0**
CS-6	9/12/2022	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**64.0**
Regulatory Limits						**100 mg/kg**	**10 mg/kg**	**-**	**-**	**-**	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

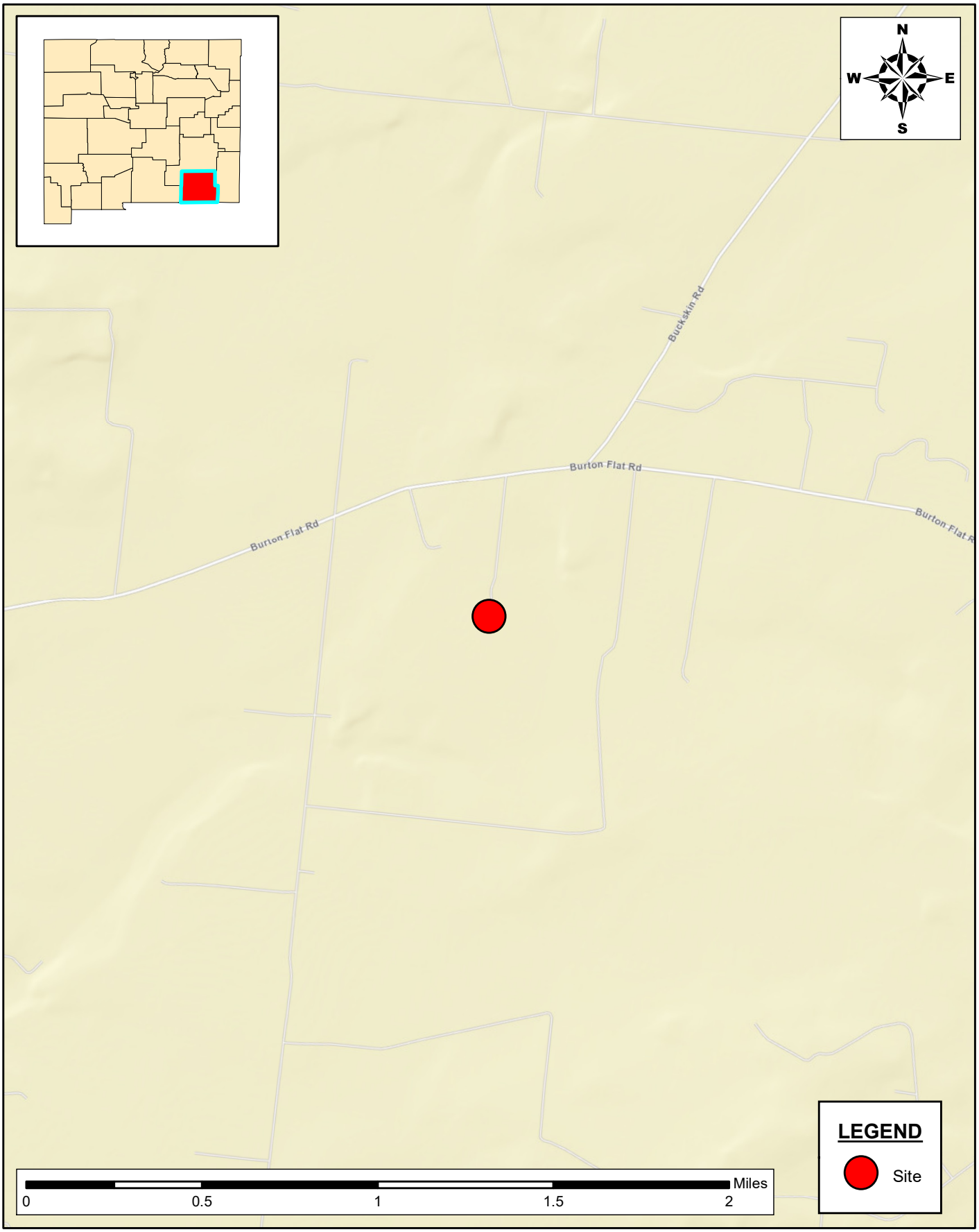
mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Exceeds RRAL's

FIGURES



SITE LOCATION MAP
SITE ASSESSMENT REPORT
GOVERNMENT AA COM 2H
COLGATE. LLC
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 07/06/2022	PROJECT #: 225839

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

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FIGURE 1
SHEET NUMBER:
1 of 1

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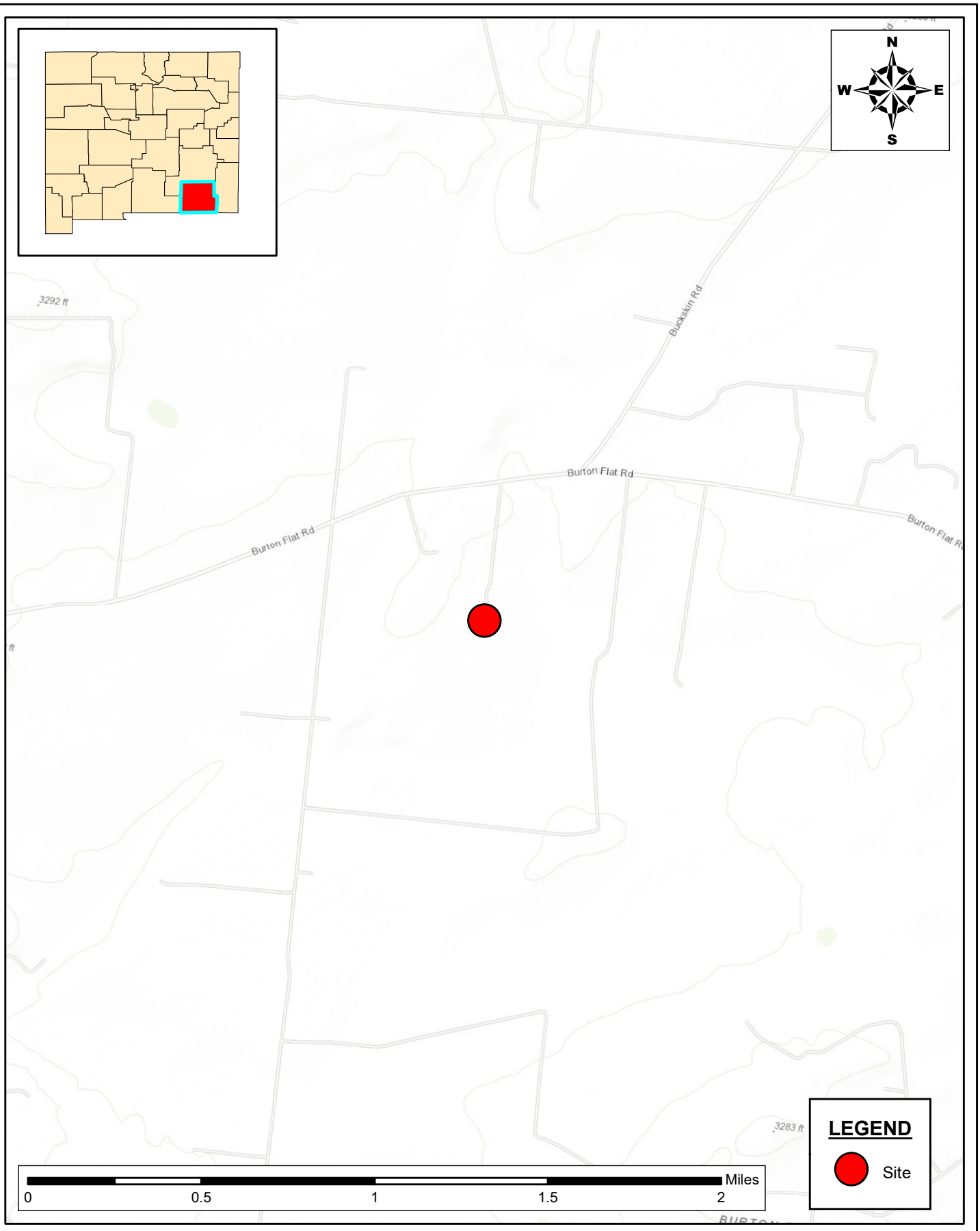

SITE LOCATION MAP
SITE ASSESSMENT REPORT
GOVERNMENT AA COM 2H
COLGATE. LLC
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN | DATE: 07/06/2022 | PROJECT #: 225839

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
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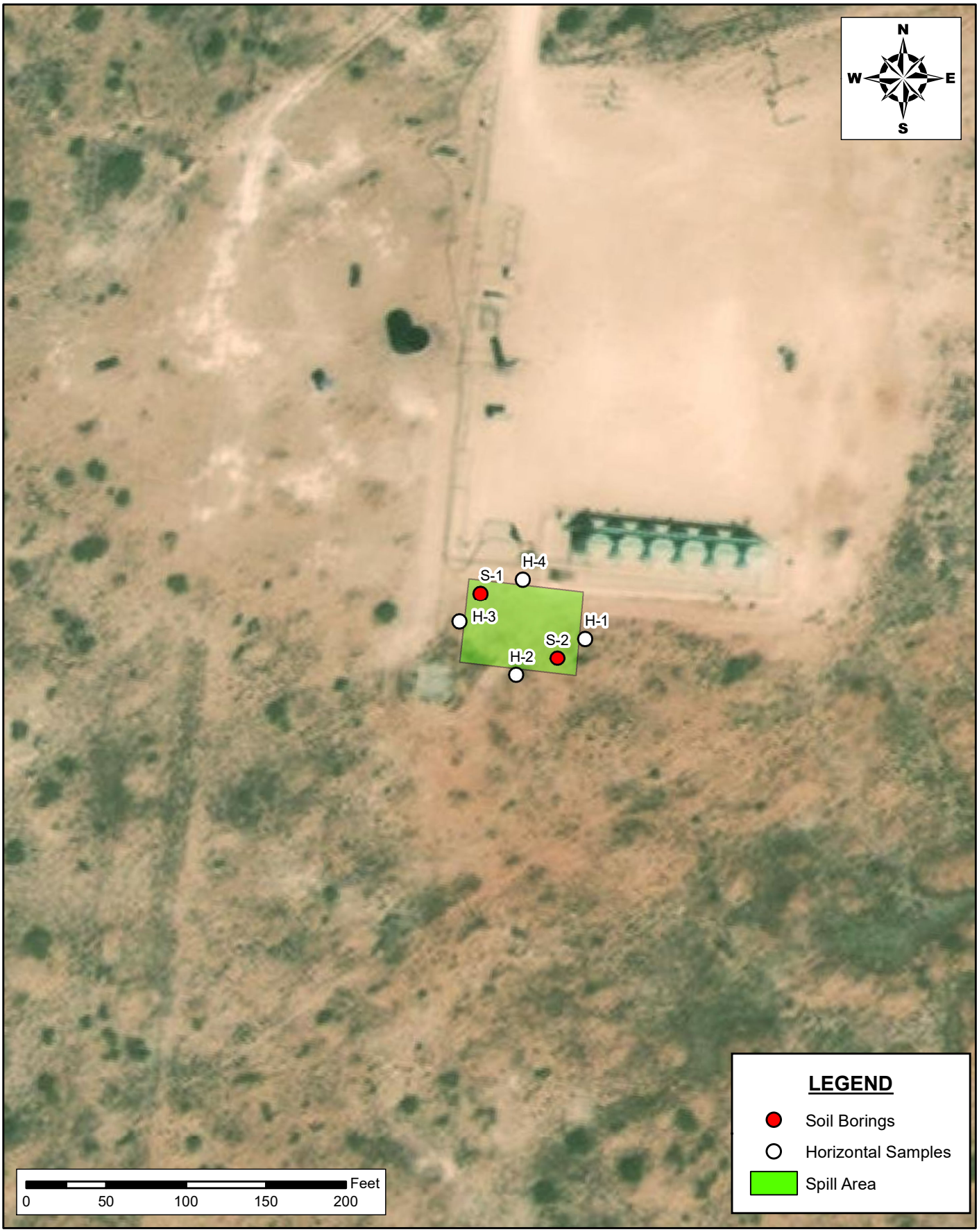

SITE LOCATION MAP
SITE ASSESSMENT REPORT
GOVERNMENT AA COM 2H
COLGATE. LLC
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN | DATE: 07/07/2022 | PROJECT #: 225839

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New Tech Global Environmental, LLC
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Houston, Texas 77060
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Web: www.ntgenvironmental.com

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SITE LOCATION MAP
CLOSURE REPORT
GOVERNMENT AA COM 2H
COLGATE. LLC
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN | DATE: 10/10/2022 | PROJECT #: 225839

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PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

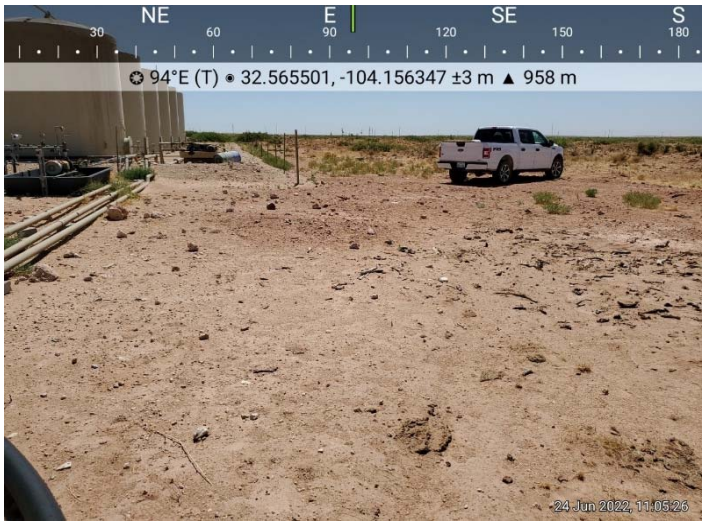
Colgate Energy Production Company

Photograph No. 1

Facility: Government AA Com 2H

County: Eddy County, New Mexico

Description:
Area of concern



Photograph No. 2

Facility: Government AA Com 2H

County: Eddy County, New Mexico

Description:
Area of concern

Photograph No. 3

Facility: Government AA Com 2H

County: Eddy County, New Mexico

Description:
Area of concern

PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 4

Facility: Government AA Com 2H

County: Eddy County, New Mexico

Description:
Remediated site photos

Photograph No. 5

Facility: Government AA Com 2H

County: Eddy County, New Mexico

Description:
Remediated site photos

Photograph No. 6

Facility: Government AA Com 2H

County: Eddy County, New Mexico

Description:
Remediated site photos

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2468-1
Laboratory Sample Delivery Group: 225839
Client Project/Site: Government AA Com 2H

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

JKRAMER

Authorized for release by:
7/5/2022 12:58:25 PM

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

LINKS

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

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

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Sample Summary 23
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Definitions/Glossary

Client: NT Global
Job ID: 890-2468-1
Project/Site: Government AA Com 2H
SDG: 225839

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Job ID: 890-2468-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2468-1

Receipt
The samples were received on 6/27/2022 12:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-28556 and 880-28556 and analytical batch 880-28884 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Client Sample ID: S-1 (2-2,5)

Lab Sample ID: 890-2468-1
Matrix: Solid

Date Collected: 06/24/22 00:00
Date Received: 06/27/22 12:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/28/22 16:05	06/29/22 02:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/28/22 16:05	06/29/22 02:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/28/22 16:05	06/29/22 02:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/28/22 16:05	06/29/22 02:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/28/22 16:05	06/29/22 02:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/28/22 16:05	06/29/22 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/28/22 16:05*	*06/29/22 02:27*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/28/22 16:05*	*06/29/22 02:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/29/22 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/01/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 11:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 11:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/29/22 08:44*	*06/30/22 11:48*	*1*
o-Terphenyl	*113*		*70 - 130*	*06/29/22 08:44*	*06/30/22 11:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.7**		4.99		mg/Kg			07/03/22 21:04	1

Client Sample ID: S-2 (0-1)

Lab Sample ID: 890-2468-2
Matrix: Solid

Date Collected: 06/24/22 00:00
Date Received: 06/27/22 12:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/28/22 16:05	06/29/22 02:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/28/22 16:05	06/29/22 02:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/28/22 16:05	06/29/22 02:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/28/22 16:05	06/29/22 02:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/28/22 16:05	06/29/22 02:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/28/22 16:05	06/29/22 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/28/22 16:05*	*06/29/22 02:48*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/28/22 16:05*	*06/29/22 02:48*	*1*

Client Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Client Sample ID: S-2 (0-1)

Lab Sample ID: 890-2468-2
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/29/22 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/01/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 12:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 12:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/29/22 08:44*	*06/30/22 12:53*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/29/22 08:44*	*06/30/22 12:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.7**		4.96		mg/Kg			07/03/22 21:27	1

Client Sample ID: H-1

Lab Sample ID: 890-2468-3
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/29/22 04:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/29/22 04:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/29/22 04:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/28/22 16:05	06/29/22 04:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/29/22 04:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/28/22 16:05	06/29/22 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/28/22 16:05*	*06/29/22 04:11*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/28/22 16:05*	*06/29/22 04:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/29/22 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/01/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 13:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 13:15	1

Client Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Client Sample ID: H-1

Lab Sample ID: 890-2468-3
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/29/22 08:44*	*06/30/22 13:15*	*1*
o-Terphenyl	*107*		*70 - 130*	*06/29/22 08:44*	*06/30/22 13:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**677**		25.2		mg/Kg			07/03/22 21:35	5

Client Sample ID: H-2

Lab Sample ID: 890-2468-4
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/28/22 16:05	06/29/22 04:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/28/22 16:05	06/29/22 04:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/28/22 16:05	06/29/22 04:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/28/22 16:05	06/29/22 04:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/28/22 16:05	06/29/22 04:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/28/22 16:05	06/29/22 04:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/28/22 16:05*	*06/29/22 04:31*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/28/22 16:05*	*06/29/22 04:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/29/22 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/01/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/29/22 08:44	06/30/22 13:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/29/22 08:44	06/30/22 13:36	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/29/22 08:44	06/30/22 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*06/29/22 08:44*	*06/30/22 13:36*	*1*
o-Terphenyl	*96*		*70 - 130*	*06/29/22 08:44*	*06/30/22 13:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.2**		4.97		mg/Kg			07/03/22 21:43	1

Client Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Client Sample ID: H-3

Lab Sample ID: 890-2468-5
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/28/22 16:05	06/29/22 04:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/28/22 16:05	06/29/22 04:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/28/22 16:05	06/29/22 04:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/28/22 16:05	06/29/22 04:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/28/22 16:05	06/29/22 04:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/28/22 16:05	06/29/22 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/28/22 16:05*	*06/29/22 04:52*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/28/22 16:05*	*06/29/22 04:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/29/22 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/01/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 13:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 13:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/29/22 08:44*	*06/30/22 13:58*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/29/22 08:44*	*06/30/22 13:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.4**		5.04		mg/Kg			07/04/22 11:56	1

Client Sample ID: H-4

Lab Sample ID: 890-2468-6
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/29/22 05:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/29/22 05:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/29/22 05:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/28/22 16:05	06/29/22 05:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/29/22 05:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/28/22 16:05	06/29/22 05:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/28/22 16:05*	*06/29/22 05:12*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/28/22 16:05*	*06/29/22 05:12*	*1*

Client Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Client Sample ID: H-4

Lab Sample ID: 890-2468-6

Date Collected: 06/24/22 00:00
Date Received: 06/27/22 12:08

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/29/22 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/01/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 14:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 14:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/29/22 08:44*	*06/30/22 14:20*	*1*
o-Terphenyl	*114*		*70 - 130*	*06/29/22 08:44*	*06/30/22 14:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.4**		5.03		mg/Kg			07/03/22 21:59	1

Surrogate Summary

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-16372-A-1-D MS	Matrix Spike	106	101
880-16372-A-1-E MSD	Matrix Spike Duplicate	107	100
890-2468-1	S-1 (2-2,5)	104	85
890-2468-2	S-2 (0-1)	97	90
890-2468-3	H-1	99	91
890-2468-4	H-2	111	90
890-2468-5	H-3	112	95
890-2468-6	H-4	112	93
LCS 880-28492/1-A	Lab Control Sample	106	99
LCSD 880-28492/2-A	Lab Control Sample Dup	107	101
MB 880-28492/5-B	Method Blank	101	92
MB 880-28503/5-A	Method Blank	99	89

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

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

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

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

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2468-1	S-1 (2-2,5)	104	113
890-2468-1 MS	S-1 (2-2,5)	100	96
890-2468-1 MSD	S-1 (2-2,5)	88	85
890-2468-2	S-2 (0-1)	100	110
890-2468-3	H-1	98	107
890-2468-4	H-2	89	96
890-2468-5	H-3	100	108
890-2468-6	H-4	104	114
LCS 880-28611/2-A	Lab Control Sample	85	90
LCSD 880-28611/3-A	Lab Control Sample Dup	98	102
MB 880-28611/1-A	Method Blank	102	117

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28492/5-B
Matrix: Solid
Analysis Batch: 28497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/28/22 23:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/28/22 23:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/28/22 23:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/28/22 16:05	06/28/22 23:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/22 16:05	06/28/22 23:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/28/22 16:05	06/28/22 23:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/28/22 16:05*	*06/28/22 23:21*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/28/22 16:05*	*06/28/22 23:21*	*1*

Lab Sample ID: LCS 880-28492/1-A
Matrix: Solid
Analysis Batch: 28497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08192		mg/Kg		82	70 - 130
Toluene	0.100	0.08189		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08532		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1766		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09022		mg/Kg		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-28492/2-A
Matrix: Solid
Analysis Batch: 28497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28492

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08697		mg/Kg		87	70 - 130	6	35
Toluene	0.100	0.08762		mg/Kg		88	70 - 130	7	35
Ethylbenzene	0.100	0.09077		mg/Kg		91	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1870		mg/Kg		93	70 - 130	6	35
o-Xylene	0.100	0.09565		mg/Kg		96	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-16372-A-1-D MS
Matrix: Solid
Analysis Batch: 28497

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 28492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09073		mg/Kg		90	70 - 130
Toluene	<0.00201	U	0.100	0.09069		mg/Kg		90	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

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

Lab Sample ID: 880-16372-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28497 — **Prep Batch: 28492**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09410		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1931		mg/Kg		96	70 - 130
o-Xylene	<0.00201	U	0.100	0.09705		mg/Kg		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-16372-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28497 — **Prep Batch: 28492**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.08862		mg/Kg		90	70 - 130	2	35
Toluene	<0.00201	U	0.0990	0.08929		mg/Kg		90	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0990	0.09315		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1920		mg/Kg		97	70 - 130	1	35
o-Xylene	<0.00201	U	0.0990	0.09627		mg/Kg		97	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-28503/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28497 — **Prep Batch: 28503**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/22 08:42	06/28/22 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/22 08:42	06/28/22 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/22 08:42	06/28/22 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/28/22 08:42	06/28/22 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/22 08:42	06/28/22 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/28/22 08:42	06/28/22 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/28/22 08:42*	*06/28/22 11:21*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/28/22 08:42*	*06/28/22 11:21*	*1*

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

Lab Sample ID: MB 880-28611/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28717 — **Prep Batch: 28611**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 10:43	1

QC Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

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

Lab Sample ID: MB 880-28611/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28717 — **Prep Batch: 28611**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 10:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/29/22 08:44*	*06/30/22 10:43*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/29/22 08:44*	*06/30/22 10:43*	*1*

Lab Sample ID: LCS 880-28611/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28717 — **Prep Batch: 28611**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	807.5		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: LCSD 880-28611/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28717 — **Prep Batch: 28611**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	900.3		mg/Kg		90	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	1118		mg/Kg		112	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 890-2468-1 MS — **Client Sample ID: S-1 (2-2,5)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28717 — **Prep Batch: 28611**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1246		mg/Kg		125	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1179		mg/Kg		118	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

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

Lab Sample ID: 890-2468-1 MSD — **Client Sample ID: S-1 (2-2,5)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28717 — **Prep Batch: 28611**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1097		mg/Kg		110	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1071		mg/Kg		108	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28556/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/03/22 18:19	1

Lab Sample ID: LCS 880-28556/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	263.1		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-28556/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28884

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.9		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-16340-A-17-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3430	F1	1260	4920	F1	mg/Kg		119	90 - 110

Lab Sample ID: 880-16340-A-17-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28884

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3430	F1	1260	4950	F1	mg/Kg		122	90 - 110	1	20

QC Sample Results

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2462-A-52-F MS
Matrix: Solid
Analysis Batch: 28884

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	307	F1	251	674.0	F1	mg/Kg		146	90 - 110		

Lab Sample ID: 890-2462-A-52-G MSD
Matrix: Solid
Analysis Batch: 28884

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	307	F1	251	665.6	F1	mg/Kg		143	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

GC VOA

Prep Batch: 28492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2468-1	S-1 (2-2,5)	Total/NA	Solid	5035	
890-2468-2	S-2 (0-1)	Total/NA	Solid	5035	
890-2468-3	H-1	Total/NA	Solid	5035	
890-2468-4	H-2	Total/NA	Solid	5035	
890-2468-5	H-3	Total/NA	Solid	5035	
890-2468-6	H-4	Total/NA	Solid	5035	
MB 880-28492/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-28492/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28492/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16372-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-16372-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 28497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2468-1	S-1 (2-2,5)	Total/NA	Solid	8021B	28492
890-2468-2	S-2 (0-1)	Total/NA	Solid	8021B	28492
890-2468-3	H-1	Total/NA	Solid	8021B	28492
890-2468-4	H-2	Total/NA	Solid	8021B	28492
890-2468-5	H-3	Total/NA	Solid	8021B	28492
890-2468-6	H-4	Total/NA	Solid	8021B	28492
MB 880-28492/5-B	Method Blank	Total/NA	Solid	8021B	28492
MB 880-28503/5-A	Method Blank	Total/NA	Solid	8021B	28503
LCS 880-28492/1-A	Lab Control Sample	Total/NA	Solid	8021B	28492
LCSD 880-28492/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28492
880-16372-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	28492
880-16372-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28492

Prep Batch: 28503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28503/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 28622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2468-1	S-1 (2-2,5)	Total/NA	Solid	Total BTEX	
890-2468-2	S-2 (0-1)	Total/NA	Solid	Total BTEX	
890-2468-3	H-1	Total/NA	Solid	Total BTEX	
890-2468-4	H-2	Total/NA	Solid	Total BTEX	
890-2468-5	H-3	Total/NA	Solid	Total BTEX	
890-2468-6	H-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 28611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2468-1	S-1 (2-2,5)	Total/NA	Solid	8015NM Prep	
890-2468-2	S-2 (0-1)	Total/NA	Solid	8015NM Prep	
890-2468-3	H-1	Total/NA	Solid	8015NM Prep	
890-2468-4	H-2	Total/NA	Solid	8015NM Prep	
890-2468-5	H-3	Total/NA	Solid	8015NM Prep	
890-2468-6	H-4	Total/NA	Solid	8015NM Prep	
MB 880-28611/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

GC Semi VOA (Continued)

Prep Batch: 28611 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-28611/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28611/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2468-1 MS	S-1 (2-2,5)	Total/NA	Solid	8015NM Prep	
890-2468-1 MSD	S-1 (2-2,5)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2468-1	S-1 (2-2,5)	Total/NA	Solid	8015B NM	28611
890-2468-2	S-2 (0-1)	Total/NA	Solid	8015B NM	28611
890-2468-3	H-1	Total/NA	Solid	8015B NM	28611
890-2468-4	H-2	Total/NA	Solid	8015B NM	28611
890-2468-5	H-3	Total/NA	Solid	8015B NM	28611
890-2468-6	H-4	Total/NA	Solid	8015B NM	28611
MB 880-28611/1-A	Method Blank	Total/NA	Solid	8015B NM	28611
LCS 880-28611/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28611
LCSD 880-28611/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28611
890-2468-1 MS	S-1 (2-2,5)	Total/NA	Solid	8015B NM	28611
890-2468-1 MSD	S-1 (2-2,5)	Total/NA	Solid	8015B NM	28611

Analysis Batch: 28848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2468-1	S-1 (2-2,5)	Total/NA	Solid	8015 NM	
890-2468-2	S-2 (0-1)	Total/NA	Solid	8015 NM	
890-2468-3	H-1	Total/NA	Solid	8015 NM	
890-2468-4	H-2	Total/NA	Solid	8015 NM	
890-2468-5	H-3	Total/NA	Solid	8015 NM	
890-2468-6	H-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2468-1	S-1 (2-2,5)	Soluble	Solid	DI Leach	
890-2468-2	S-2 (0-1)	Soluble	Solid	DI Leach	
890-2468-3	H-1	Soluble	Solid	DI Leach	
890-2468-4	H-2	Soluble	Solid	DI Leach	
890-2468-5	H-3	Soluble	Solid	DI Leach	
890-2468-6	H-4	Soluble	Solid	DI Leach	
MB 880-28556/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28556/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28556/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16340-A-17-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-16340-A-17-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-2462-A-52-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2462-A-52-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 28884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2468-1	S-1 (2-2,5)	Soluble	Solid	300.0	28556
890-2468-2	S-2 (0-1)	Soluble	Solid	300.0	28556
890-2468-3	H-1	Soluble	Solid	300.0	28556

QC Association Summary

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

HPLC/IC (Continued)

Analysis Batch: 28884 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2468-4	H-2	Soluble	Solid	300.0	28556
890-2468-5	H-3	Soluble	Solid	300.0	28556
890-2468-6	H-4	Soluble	Solid	300.0	28556
MB 880-28556/1-A	Method Blank	Soluble	Solid	300.0	28556
LCS 880-28556/2-A	Lab Control Sample	Soluble	Solid	300.0	28556
LCSD 880-28556/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28556
880-16340-A-17-C MS	Matrix Spike	Soluble	Solid	300.0	28556
880-16340-A-17-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	28556
890-2462-A-52-F MS	Matrix Spike	Soluble	Solid	300.0	28556
890-2462-A-52-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	28556

Lab Chronicle

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Client Sample ID: S-1 (2-2,5)

Lab Sample ID: 890-2468-1
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	28492	06/28/22 16:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28497	06/29/22 02:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28622	06/29/22 09:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28848	07/01/22 12:14	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 11:48	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28556	06/28/22 14:52	SMC	XEN MID
Soluble	Analysis	300.0		1			28884	07/03/22 21:04	CH	XEN MID

Client Sample ID: S-2 (0-1)

Lab Sample ID: 890-2468-2
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	28492	06/28/22 16:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28497	06/29/22 02:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28622	06/29/22 09:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28848	07/01/22 12:14	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 12:53	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28556	06/28/22 14:52	SMC	XEN MID
Soluble	Analysis	300.0		1			28884	07/03/22 21:27	CH	XEN MID

Client Sample ID: H-1

Lab Sample ID: 890-2468-3
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28492	06/28/22 16:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28497	06/29/22 04:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28622	06/29/22 09:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28848	07/01/22 12:14	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 13:15	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28556	06/28/22 14:52	SMC	XEN MID
Soluble	Analysis	300.0		5			28884	07/03/22 21:35	CH	XEN MID

Client Sample ID: H-2

Lab Sample ID: 890-2468-4
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	28492	06/28/22 16:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28497	06/29/22 04:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28622	06/29/22 09:18	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Client Sample ID: H-2

Lab Sample ID: 890-2468-4
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28848	07/01/22 12:14	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 13:36	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28556	06/28/22 14:52	SMC	XEN MID
Soluble	Analysis	300.0		1			28884	07/03/22 21:43	CH	XEN MID

Client Sample ID: H-3

Lab Sample ID: 890-2468-5
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	28492	06/28/22 16:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28497	06/29/22 04:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28622	06/29/22 09:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28848	07/01/22 12:14	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 13:58	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28556	06/28/22 14:52	SMC	XEN MID
Soluble	Analysis	300.0		1			28884	07/04/22 11:56	CH	XEN MID

Client Sample ID: H-4

Lab Sample ID: 890-2468-6
Date Collected: 06/24/22 00:00
Matrix: Solid
Date Received: 06/27/22 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28492	06/28/22 16:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28497	06/29/22 05:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28622	06/29/22 09:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28848	07/01/22 12:14	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 14:20	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28556	06/28/22 14:52	SMC	XEN MID
Soluble	Analysis	300.0		1			28884	07/03/22 21:59	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Government AA Com 2H

Job ID: 890-2468-1
SDG: 225839

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2468-1	S-1 (2-2,5)	Solid	06/24/22 00:00	06/27/22 12:08
890-2468-2	S-2 (0-1)	Solid	06/24/22 00:00	06/27/22 12:08
890-2468-3	H-1	Solid	06/24/22 00:00	06/27/22 12:08
890-2468-4	H-2	Solid	06/24/22 00:00	06/27/22 12:08
890-2468-5	H-3	Solid	06/24/22 00:00	06/27/22 12:08
890-2468-6	H-4	Solid	06/24/22 00:00	06/27/22 12:08

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

7/5/2022

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Colgate Energy
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Government AA Com 2H	Turn Around	
Project Number:	225839	☑ Routine ☐ Rush	
Project Location	Eddy Co	Due Date:	
Sampler's Name:	Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	TMM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	6.0
Total Containers:		Corrected Temperature:	5.8

Preservative Codes

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

890-2468 Chain of Custody

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-1 (2-2,5)	6/24/2022		X		Comp	1	X	X	X		
S-2 (0-1)	6/24/2022		X		Comp	1	X	X	X		
H-1	6/24/2022		X		Comp	1	X	X	X		
H-2	6/24/2022		X		Comp	1	X	X	X		
H-3	6/24/2022		X		Comp	1	X	X	X		
H-4	6/24/2022		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		6/27/22 1200			
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 10/13/2022 9:38:08 AM

Released to Imaging: 12/15/2022 7:55:49 AM

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2468-1
SDG Number: 225839

Login Number: 2468
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2468-1
SDG Number: 225839

Login Number: 2468
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 06/28/22 10:53 AM

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

CARDINAL Laboratories

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

September 23, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GOVERNMENT AA COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 09/12/22 12:20.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 1	H224180-01	Soil	12-Sep-22 12:15	12-Sep-22 12:20
SW - 2	H224180-02	Soil	12-Sep-22 12:15	12-Sep-22 12:20
SW - 3	H224180-03	Soil	12-Sep-22 12:15	12-Sep-22 12:20
SW - 4	H224180-04	Soil	12-Sep-22 12:15	12-Sep-22 12:20
SW - 5	H224180-05	Soil	12-Sep-22 12:15	12-Sep-22 12:20
SW - 6	H224180-06	Soil	12-Sep-22 12:15	12-Sep-22 12:20
SW - 7	H224180-07	Soil	12-Sep-22 12:15	12-Sep-22 12:20
CS - 1 (2.5')	H224180-08	Soil	12-Sep-22 12:15	12-Sep-22 12:20
CS - 2 (2.5')	H224180-09	Soil	12-Sep-22 12:15	12-Sep-22 12:20
CS - 3 (2.5')	H224180-10	Soil	12-Sep-22 12:15	12-Sep-22 12:20
CS - 4 (2.5')	H224180-11	Soil	12-Sep-22 12:15	12-Sep-22 12:20
CS - 5 (2.5')	H224180-12	Soil	12-Sep-22 12:15	12-Sep-22 12:20
CS - 6 (2.5')	H224180-13	Soil	12-Sep-22 12:15	12-Sep-22 12:20

09/23/22 - Client changed sample IDs (see COC). This is the revised report and will replace the one sent on 09/15/22.

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

SW - 1

H224180-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*76.8 %*	*45.3-161*		*2091316*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.4 %*	*46.3-178*		*2091316*	CK	*14-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

SW - 2

H224180-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*85.1 %*	*45.3-161*		*2091316*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.2 %*	*46.3-178*		*2091316*	CK	*14-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

SW - 3

H224180-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*83.5 %*	*45.3-161*		*2091316*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.0 %*	*46.3-178*		*2091316*	CK	*14-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

SW - 4

H224180-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.0 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*85.1 %*	*45.3-161*		*2091316*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.0 %*	*46.3-178*		*2091316*	CK	*14-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

SW - 5

H224180-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*93.4 %*	*45.3-161*		*2091316*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*105 %*	*46.3-178*		*2091316*	CK	*14-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

SW - 6

H224180-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*84.5 %*	*45.3-161*		*2091316*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.5 %*	*46.3-178*		*2091316*	CK	*14-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

SW - 7

H224180-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091316	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*88.9 %*	*45.3-161*		*2091316*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*96.3 %*	*46.3-178*		*2091316*	CK	*14-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

CS - 1 (2.5')

H224180-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091325	CK	13-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091325	CK	13-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091325	CK	13-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*105 %*	*45.3-161*		*2091325*	CK	*13-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*113 %*	*46.3-178*		*2091325*	CK	*13-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

CS - 2 (2.5')

H224180-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091325	CK	13-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091325	CK	13-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091325	CK	13-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*98.5 %*	*45.3-161*		*2091325*	CK	*13-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*107 %*	*46.3-178*		*2091325*	CK	*13-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

CS - 3 (2.5')

H224180-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091333	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2091333*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091325	CK	13-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091325	CK	13-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091325	CK	13-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*45.3-161*		*2091325*	CK	*13-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*107 %*	*46.3-178*		*2091325*	CK	*13-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

CS - 4 (2.5')

H224180-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardinal Laboratories							
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2091334*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091325	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091325	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091325	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*88.2 %*	*45.3-161*		*2091325*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*96.0 %*	*46.3-178*		*2091325*	CK	*14-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

CS - 5 (2.5')

H224180-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardinal Laboratories							
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2091334*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091325	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091325	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091325	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*76.5 %*	*45.3-161*		*2091325*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*82.7 %*	*46.3-178*		*2091325*	CK	*14-Sep-22*	*8015B*	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

CS - 6 (2.5')

H224180-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardinal Laboratories							
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2091408	AC	14-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2091334	JH	14-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2091334*	JH	*14-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2091325	CK	14-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2091325	CK	14-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2091325	CK	14-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*82.0 %*	*45.3-161*		*2091325*	CK	*14-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.6 %*	*46.3-178*		*2091325*	CK	*14-Sep-22*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2091408 - 1:4 DI Water										
Blank (2091408-BLK1)				Prepared & Analyzed: 14-Sep-22						
Chloride	ND	16.0	mg/kg							
LCS (2091408-BS1)				Prepared & Analyzed: 14-Sep-22						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (2091408-BSD1)				Prepared & Analyzed: 14-Sep-22						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2091333 - Volatiles										
Blank (2091333-BLK1)				Prepared: 13-Sep-22 Analyzed: 14-Sep-22						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0516*		mg/kg	*0.0500*		*103*	*69.9-140*			
LCS (2091333-BS1)				Prepared: 13-Sep-22 Analyzed: 14-Sep-22						
Benzene	1.75	0.050	mg/kg	2.00		87.7	83.4-122			
Toluene	1.97	0.050	mg/kg	2.00		98.3	84.2-126			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.3	84.2-121			
m,p-Xylene	3.97	0.100	mg/kg	4.00		99.2	89.9-126			
o-Xylene	1.92	0.050	mg/kg	2.00		96.1	84.3-123			
Total Xylenes	5.89	0.150	mg/kg	6.00		98.2	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0529*		mg/kg	*0.0500*		*106*	*69.9-140*			
LCS Dup (2091333-BSD1)				Prepared: 13-Sep-22 Analyzed: 14-Sep-22						
Benzene	1.88	0.050	mg/kg	2.00		94.1	83.4-122	7.04	12.6	
Toluene	2.06	0.050	mg/kg	2.00		103	84.2-126	4.81	13.3	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	84.2-121	5.86	13.9	
m,p-Xylene	4.23	0.100	mg/kg	4.00		106	89.9-126	6.43	13.6	
o-Xylene	2.07	0.050	mg/kg	2.00		104	84.3-123	7.45	14.1	
Total Xylenes	6.30	0.150	mg/kg	6.00		105	89.1-124	6.76	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0524*		mg/kg	*0.0500*		*105*	*69.9-140*			
Batch 2091334 - Volatiles										
Blank (2091334-BLK1)				Prepared: 13-Sep-22 Analyzed: 14-Sep-22						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2091334 - Volatiles										
Blank (2091334-BLK1)				Prepared: 13-Sep-22 Analyzed: 14-Sep-22						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0559*		mg/kg	*0.0500*		*112*	*69.9-140*			
LCS (2091334-BS1)				Prepared: 13-Sep-22 Analyzed: 14-Sep-22						
Benzene	1.80	0.050	mg/kg	2.00		90.1	83.4-122			
Toluene	2.01	0.050	mg/kg	2.00		100	84.2-126			
Ethylbenzene	1.98	0.050	mg/kg	2.00		98.9	84.2-121			
m,p-Xylene	4.08	0.100	mg/kg	4.00		102	89.9-126			
o-Xylene	1.97	0.050	mg/kg	2.00		98.6	84.3-123			
Total Xylenes	6.05	0.150	mg/kg	6.00		101	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0511*		mg/kg	*0.0500*		*102*	*69.9-140*			
LCS Dup (2091334-BSD1)				Prepared: 13-Sep-22 Analyzed: 14-Sep-22						
Benzene	1.95	0.050	mg/kg	2.00		97.7	83.4-122	8.10	12.6	
Toluene	2.22	0.050	mg/kg	2.00		111	84.2-126	10.1	13.3	
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	84.2-121	11.4	13.9	
m,p-Xylene	4.58	0.100	mg/kg	4.00		114	89.9-126	11.5	13.6	
o-Xylene	2.27	0.050	mg/kg	2.00		113	84.3-123	14.0	14.1	
Total Xylenes	6.85	0.150	mg/kg	6.00		114	89.1-124	12.3	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0546*		mg/kg	*0.0500*		*109*	*69.9-140*			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2091316 - General Prep - Organics										
Blank (2091316-BLK1)				Prepared & Analyzed: 13-Sep-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*44.2*		mg/kg	*50.0*		*88.3*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*49.5*		mg/kg	*50.0*		*99.1*	*46.3-178*			
LCS (2091316-BS1)				Prepared & Analyzed: 13-Sep-22						
GRO C6-C10	239	10.0	mg/kg	200		119	76.8-124			
DRO >C10-C28	230	10.0	mg/kg	200		115	74.9-127			
Total TPH C6-C28	469	10.0	mg/kg	400		117	77.5-124			
Surrogate: 1-Chlorooctane	*52.5*		mg/kg	*50.0*		*105*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*63.0*		mg/kg	*50.0*		*126*	*46.3-178*			
LCS Dup (2091316-BSD1)				Prepared & Analyzed: 13-Sep-22						
GRO C6-C10	233	10.0	mg/kg	200		116	76.8-124	2.65	17.2	
DRO >C10-C28	210	10.0	mg/kg	200		105	74.9-127	8.87	18.6	
Total TPH C6-C28	443	10.0	mg/kg	400		111	77.5-124	5.66	17.6	
Surrogate: 1-Chlorooctane	*57.7*		mg/kg	*50.0*		*115*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*64.0*		mg/kg	*50.0*		*128*	*46.3-178*			
Batch 2091325 - General Prep - Organics										
Blank (2091325-BLK1)				Prepared & Analyzed: 13-Sep-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*51.9*		mg/kg	*50.0*		*104*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*56.1*		mg/kg	*50.0*		*112*	*46.3-178*			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AA COM 2H Project Number: 225839 Project Manager: ETHAN SESSUMS Fax To:	Reported: 23-Sep-22 08:47

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2091325 - General Prep - Organics										
LCS (2091325-BS1)				Prepared & Analyzed: 13-Sep-22						
GRO C6-C10	216	10.0	mg/kg	200		108	76.8-124			
DRO >C10-C28	215	10.0	mg/kg	200		108	74.9-127			
Total TPH C6-C28	431	10.0	mg/kg	400		108	77.5-124			
Surrogate: 1-Chlorooctane	*57.1*		mg/kg	*50.0*		*114*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*66.1*		mg/kg	*50.0*		*132*	*46.3-178*			
LCS Dup (2091325-BSD1)				Prepared & Analyzed: 13-Sep-22						
GRO C6-C10	217	10.0	mg/kg	200		109	76.8-124	0.528	17.2	
DRO >C10-C28	213	10.0	mg/kg	200		107	74.9-127	0.846	18.6	
Total TPH C6-C28	430	10.0	mg/kg	400		108	77.5-124	0.156	17.6	
Surrogate: 1-Chlorooctane	*59.4*		mg/kg	*50.0*		*119*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*68.2*		mg/kg	*50.0*		*136*	*46.3-178*			

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE
Project Manager: Ethan Sessums
Address: 402 E Wood Ave
City: Carlsbad State: NM Zip: 88220
Phone #: 254-266-5456 Fax #:
Project #: 225839 Project Owner: Colgate
Project Name: Government AA Com 2H
Project Location: Eddy County
Sampler Name: Tyler Kimball

BILL TO
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

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	TPH	BTEX	Chlorides
H224180 1	SW-1	G	1			X							9.12	12:15	X	X	X
2	SW-2	G	1			X									X	X	X
3	SW-3	G	1			X									X	X	X
4	SW-4	G	1			X									X	X	X
5	SW-5	G	1			X									X	X	X
6	SW-6	G	1			X									X	X	X
7	SW-7	G	1			X									X	X	X
* 8	CS-1 (2.5-~~3~~)	G	1			X									X	X	X
* 9	CS-2 (2.5-~~3~~)	G	1			X									X	X	X
* 10	CS-3 (2.5-~~3~~)	G	1			X									X	X	X

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Relinquished By: [signature] Date: 9-12-22 Time: 1220 Received By: Tamara Oldaker
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
email ethan sessums.

REMARKS:
* Sample Id change TO 9/22/22

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C
☐ Yes ☐ Yes
☐ No ☐ No Corrected Temp. °C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 8.1
Corrected Temp. °C 7.5

Sample Condition
Cool Intact
☐ Yes ☐ Yes
☑ No ☐ No

CHECKED BY: (Initials) TO

FORM-006 R 3.3 07/18/22

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

Received by OCD: 10/13/2022 9:38:08 AM

Released to Imaging: 12/15/2022 7:55:49 AM

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGE
Project Manager:	Ethan Sessums
Address:	402 E Wood Ave
City:	Carlsbad State: NM Zip: 88220
Phone #:	254-266-5456 Fax #:
Project #:	225839 Project Owner: Colgate
Project Name:	Government AA Com 2H
Project Location:	Eddy County
Sampler Name:	Tyler Kimball

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
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	ANALYSIS REQUEST: SPLIT	BTEX	Chlorides
H224180 * 11	CS-4 (~~1.5~~ 2.5')	G	1			X							9-12	12:15	X	X	X
* 12	CS-5 (~~1.5~~ 2.5')	G	1			X							↓	↓	X	X	X
* 13	CS-6 (~~1.5~~ 2.5')	G	1			X									X	X	X

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Relinquished By:	Date: 9-12	Received By:	
	Time: 12:15		
Relinquished By:	Date: 20	Received By: T.O. 9/12/22	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

email Ethan Sessums

REMARKS:

* Sample Id change T.O. 9/22/22

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C 8.1

Corrected Temp. °C 7.5

Sample Condition: Cool ☐ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

Turnaround Time: Standard ☑ Rush ☐

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

Thermometer ID #113
Correction Factor -0.6°C

FORM-006 R 3.3 07/18/22

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

Received by OCD: 10/13/2022 9:38:08 AM

Released to Imaging: 12/15/2022 7:55:49 AM

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

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

CONDITIONS

Action 150652

CONDITIONS

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 150652
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	12/15/2022