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

October 17, 2022

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

Re: Closure Report
GOVERNMENT AB #009
Colgate Production, LLC.
Site Location: Unit A-10-20S-28E
(Lat 32.5946274 º, Long -104.1572189º)
Eddy County, New Mexico
Incident ID: NAB1800954389

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 AB #009 location (Site). The Site is located approximately 12.9 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 2, 2018. The release was a result of a check valve failing which resulted in the release of approximately ten barrels (bbls) of produced water of which none were recovered. Upon discovery, the well was shut-in and the 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 0.97 miles south of the Site in Section 15, T20S, R28E. The well was drilled in 2021 and the reported depth to groundwater is 70 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 22, 2022, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of three sample points (S-1 through S-3) 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 horizontal 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 – 3.5 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 identified elevated chloride concentrations across the release area. Soil impacts in the area of S-2 and S-3 extended the total depth of the soil boring (i.e., 3.5 ft bgs). Soil impacts in the area of S-1 were confined to the upper 3.5 ft bgs. Analytical results of the horizontal soil points (i.e., H-1 through H-4) were all below the regulatory limits for all analytes.

The vertical extent of impacts was not defined at the Site; however, additional delineation efforts were achieved during remedial action activities detailed in a subsequent section of this letter. The horizontal extent of impact was defined during the site assessment activities.

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 area of S-1 was excavated to a depth of 3.5 ft bgs.
- The area of S-2 was excavated to a depth of 4 ft bgs.
- The area of S-3 was excavated to a depth of 5 ft bgs.

The soils were field screened during excavation activities to aid in determining final excavation depths, primarily in the areas of S-2 and S-3 where the vertical delineation of impacts was not achieved during site assessment activities. Following excavation activities, a total of 11 composite confirmation samples were collected from the excavation base (i.e., CS-1 through CS-11) and eight composite confirmation samples were collected from the excavation sidewalls (i.e., SW-1 through SW-8) 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 CS-8, SW-1 and SW-7 exhibited chloride concentrations over the regulatory limits and the area would require further excavation.

The area of CS-8 was subsequently excavated to a depth of six ft bgs and additional excavation confirmation samples were collected from the base (i.e., CS-8) and sidewalls (i.e., SW-11 through SW-15). Analytical results of the additional confirmation samples were below the regulatory limits for all analytes indicating 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 480 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. The confirmation samples were collected from areas representing no greater than 200 square feet and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B and 300.0). 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:

C-141 Documentation & Correspondence
Site Characterization Information
Tables
Figures
Photographic Log
Laboratory Reports and Chain-of-Custody Documents

C-141 Documentation & Correspondence

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 08 2018
RECEIVED

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1800954389

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company OXY USA WTP LP 192463	Contact WADE DITTRICH
Address PO BOX 4294; HOUSTON, TX 77210	Telephone No. 575-390-2828
Facility Name GOVERNMENT AB #9	Facility Type BATTERY

Surface Owner FEDERAL	Mineral Owner FEDERAL	API No. 30-015-27964

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	10	20S	28E					EDDY

Latitude 32.5946274 Longitude -104.1572189 NAD83

NATURE OF RELEASE

Type of Release PRODUCED WATER	Volume of Release 10 BBLS	Volume Recovered TBD
Source of Release 3 inch Vic Check Valve failure	Date and Hour of Occurrence 1-2-2018	Date and Hour of Discovery
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? MIKE BRATCHER-NMOCD; CRYSTAL WEAVER – NMOCD; SHELLY TUCKER-BLM	
By Whom? WADE DITTRICH	Date and Hour 01/03/2018 @ 11:57 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.*

Leak was caused from 3 inch Vic check valve failure. Check valve will be repaired and returned to service.

Describe Area Affected and Cleanup Action Taken.*

The affected area is 5 ft x 45 ft (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and the SLO.

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: Wade Dittrich

Printed Name: WADE DITTRICH

Title: ENVIROMENTAL SPECIALIST

E-mail Address: wade_dittrich@oxy.com

Date: 1-8-18 Phone: 575-390-2828

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: Signed By: Mike Bratcher

Approval Date: 1/8/18 Expiration Date: N/A

Conditions of Approval: See Attached

Attached ☐ 2RP-4555

* Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 1/8/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4555 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 2/8/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.

- Composite sampling is not generally allowed.

- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

State of New Mexico
Oil Conservation Division

Incident ID	NAB1800954389
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?	70 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1800954389
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: Sr. Environmental Representative

Signature: Nikki Mishler Date: 11/10/22

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

OCD Only

Received by: Jocelyn Harimon Date: 11/14/2022

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State of New Mexico
Oil Conservation Division

Incident ID	NAB1800954389
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: Sr. Environmental Representative

Signature: Nikki Mishler Date: 11/10/22

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

OCD Only

Received by: Jocelyn Harimon Date: 11/14/2022

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

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1800954389
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: Sr. Environmental Representative

Signature: Nikki Mishler Date: 11/10/22

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

OCD Only

Received by: Jocelyn Harimon Date: 11/14/2022

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: 2/20/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Bratcher, Mike, EMNRD

From: Wade_Dittrich@oxy.com
Sent: Monday, January 8, 2018 7:50 AM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; stucker@blm.gov
Cc: Jennifer_Smith@oxy.com
Subject: Government AB #9 Initial C141
Attachments: Signed-Initial C141.pdf

All,

Attached is the Initial C141. Please review and let me know if there are any questions. Thank you.

Wade Dittrich
Environmental Specialist
Oxy Permian-New Mexico
575-390-2828 cell
575-397-8214 office
Wade_Dittrich@Oxy.com

Bratcher, Mike, EMNRD

From: Wade_Dittrich@oxy.com
Sent: Wednesday, January 3, 2018 10:57 AM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD
Cc: stucker@blm.gov; duskie@trinityoilfieldservices.com; ben@trinityoilfieldservices.com; tristan@trinityoilfieldservices.com; Jennifer_Smith@oxy.com
Subject: Government AB 0009

All,
This is to inform you that Oxy Permian had a **Reportable** release in **Eddy County** at the **Government AB 0009** on 1/2/2018.

- **Release Location**: Legal -10-20S-28E, API: 30-015-27964
- **Release Volume**: 0 bbls of Oil and 10 bbls of Produced Water.
- **Recovered**: TBD bbls recovered
- **Cause of Release**: 3 inch Vic Check Valve failure
- **Approximate Area impacted by release**: 5ftx45ft (measurements are subject to change with GPS tracking)
- **GPS Coordinates and Driving Direction: 32.5946274 ,-104.1572189** FROM CARLSBAD GO E ON 62-180 8 MILES, TURN LEFT ON MAGNUM ROAD GO N 6 MILES. TURN LEFT ON BURTON FLATS ROAD GO 1.7 MILE, TURN RIGHT ON BUCKSKIN ROAD GO N 1 MILE, TURN LEFT ON LEASE ROAD GO W .75 MILE, 3 WAY INTERSECTION TURN RIGHT GO NORTH .5 MILE TO FAC

Please let me know if you have any questions.

Wade Dittrich
Environmental Specialist
Oxy Permian-New Mexico
575-390-2828 cell
575-397-8214 office
Wade_Dittrich@Oxy.com

Ethan Sessums

From: Ethan Sessums
Sent: Wednesday, August 24, 2022 2:38 PM
To: ocd.enviro@state.nm.us
Cc: Tyler Kimball
Subject: Sampling Event

We will be conducting final confirmation sampling at the below referenced site on Friday the 26th (8.26.22) around 10 am MST on behalf of Colgate.

Government AB 9 SWD – 32°35'40.59" N, 104°09'26.50" W

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/

Ethan Sessums

From: Ethan Sessums
Sent: Tuesday, September 6, 2022 1:51 PM
To: ocd.enviro@state.nm.us
Cc: Tyler Kimball
Subject: Sampling Event Notification

We will be conducting confirmation sampling at the below referenced site on behalf of Colgate on Thursday 8th of September around 1 p.m.

Government AB NO.9

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/

SITE CHARACTERIZATION INFORMATION

Colgate Operating, LLC - Government AB 9 SWD
Sec 10 T20S R28E Unit A
32.5946274, -104.1572189
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, 0.97 miles South of the site, 2021 Drilled, Section 15, T20S, R28E
-NMSEO Groundwater is 140' below surface, 1.18 miles South-southeast of the site, 1973 Drilled, Section 14, T20S, R28E
-USGS Groundwater is 40.54' below surface, 1.14 miles South-southeast of the site, 1984 Drilled, Section 14, T20S, R28E
-USGS Groundwater is 60.83' below surface, 0.76 miles North-northeast of the site, 1999 Drilled, Section 02, T20S, R28E
-USGS Groundwater is 44.35' below surface, 1.84 miles South-southeast 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

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

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) 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**

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

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

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01862 POD1	CP	ED	2	2	2	15	20S	28E	579002	3605104	1560	150	70	80
CP 00525	CP	ED	3	2	1	14	20S	28E	579656	3604847*	1901	171	140	31
CP 00926 POD1	CP	LE	2	1	4	01	20S	28E	581793	3607405	2804	300		

Average Depth to Water: **105 feet**

Minimum Depth: **70 feet**

Maximum Depth: **140 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 579088.35 **Northing (Y):** 3606662.11 **Radius:** 3000

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

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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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News

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-09-22 15:17:26 EDT
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

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

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Groundwater levels for New Mexico

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323552104084101

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

USGS 323552104084101 20S.28E.02.43322

Eddy County, New Mexico
Latitude 32°35'52", Longitude 104°08'41" NAD27
Land-surface elevation 3,276 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
1968-04-02		D	62610		3221.16	NGVD29	1	Z			A
1968-04-02		D	62611		3222.69	NAVD88	1	Z			A
1968-04-02		D	72019	53.31			1	Z			A
1971-02-05		D	62610		3217.95	NGVD29	P	Z			A
1971-02-05		D	62611		3219.48	NAVD88	P	Z			A
1971-02-05		D	72019	56.52			P	Z			A
1976-12-10		D	62610		3223.22	NGVD29	1	Z			A
1976-12-10		D	62611		3224.75	NAVD88	1	Z			A
1976-12-10		D	72019	51.25			1	Z			A
1983-01-10		D	62610		3223.09	NGVD29	1	Z			A
1983-01-10		D	62611		3224.62	NAVD88	1	Z			A
1983-01-10		D	72019	51.38			1	Z			A
1994-03-16		D	62610		3214.05	NGVD29	1	S			A
1994-03-16		D	62611		3215.58	NAVD88	1	S			A
1994-03-16		D	72019	60.42			1	S			A
1999-02-24		D	62610		3213.64	NGVD29	1	S			A
1999-02-24		D	62611		3215.17	NAVD88	1	S			A
1999-02-24		D	72019	60.83			1	S			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet

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

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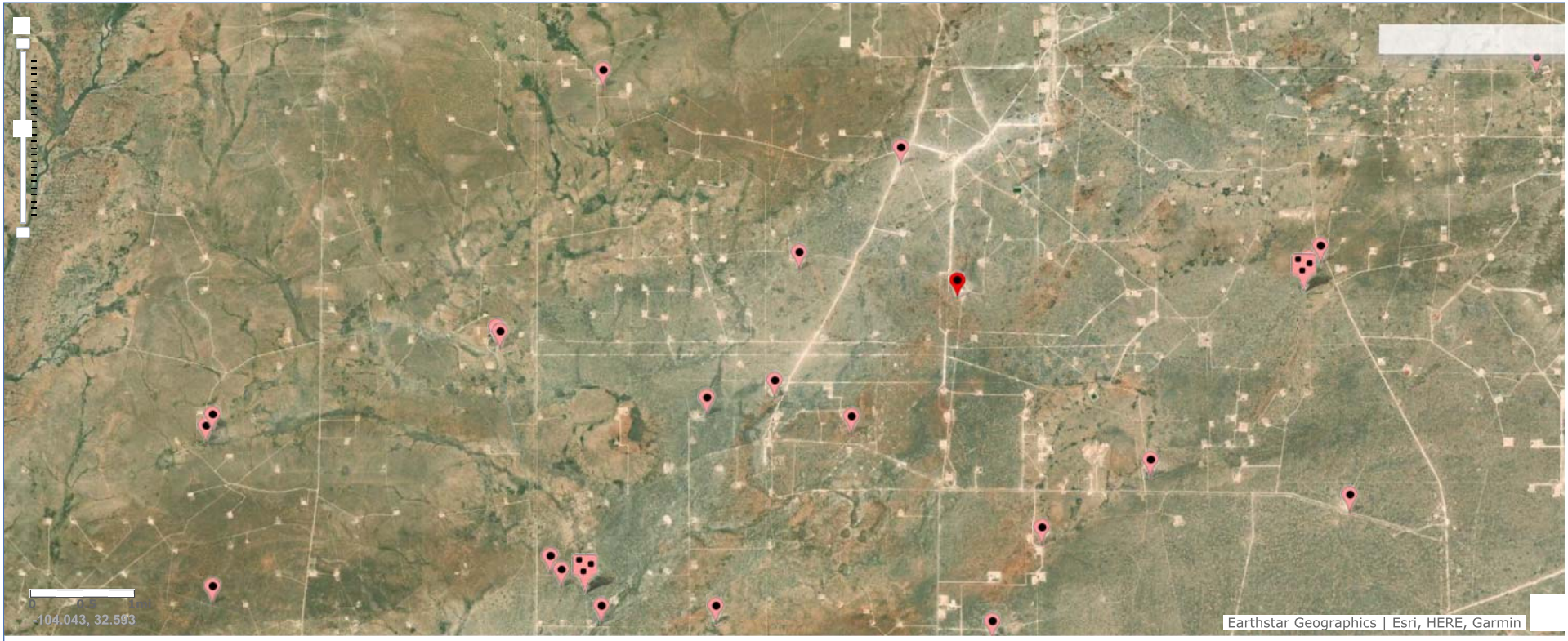
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-09-22 16:00:14 EDT
0.29 0.25 nadww02

National Water Information System: Mapper



Site Information

High Karst

Colgate Operating, LLC
Eddy County, New Mexico
32.5946274, -104.1572189

Legend
- CRIT
- Site Location
- HIGH
- LOW
- MEDIUM

Government AB 9 SWD

N

1 mi

Google Earth

TABLES

Table 1
Colgate
Government AB 9SWD
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	6/22/2022	3-3.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**573**
S-2	6/22/2022	3-3.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**648**
S-3	6/22/2022	3-3.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**3,970**
H-1	6/22/2022	--	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**27.1**
H-2	6/22/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**158**
H-3	6/22/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**146**
H-4	6/22/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**32.7**
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. 225841

Perpared By: NTG ENVIRONMENTAL

Table 2
Colgate
Government AB 9SWD
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
CS-1	8/26/2022	3.5	<10.0	<10.0	**14.9**	**14.9**	<0.50	<0.50	<0.50	<0.150	<0.300	**224**
CS-2	8/26/2022	3.5	<10.0	<10.0	**16.7**	**16.7**	<0.50	<0.50	<0.50	<0.150	<0.300	**48**
CS-3	8/26/2022	3.5	<10.0	<10.0	**11.3**	**11.3**	<0.50	<0.50	<0.50	<0.150	<0.300	**32**
CS-4	8/26/2022	4.0	<10.0	<10.0	**11.5**	**11.5**	<0.50	<0.50	<0.50	<0.150	<0.300	**32**
CS-5	8/26/2022	4.0	<10.0	<10.0	**10.8**	**10.8**	<0.50	<0.50	<0.50	<0.150	<0.300	**272**
CS-6	8/26/2022	4.0	<10.0	<10.0	**10.1**	**10.1**	<0.50	<0.50	<0.50	<0.150	<0.300	**208**
CS-7	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**160**
CS-8	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**960**
	9/8/2022	6.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**32**
CS-9	8/26/2022	4.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**80**
CS-10	8/26/2022	4.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**416**
CS-11	8/26/2022	4.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**64**
SW-1	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**624**
SW-2	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**80**
SW-3	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**112**
SW-4	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**144**
SW-5	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**80**
SW-6	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**528**
SW-7	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**608**
SW-8	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**144**
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. 225841

Perpared By: NTG ENVIRONMENTAL

Table 2
Colgate
Government AB 9SWD
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						
SW-9	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**144**
SW-10	8/26/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**128**
SW-11	9/8/2022	--	35.8	<10.0	11.6	47.4	<0.50	<0.50	<0.50	<0.150	<0.300	**112**
SW-12	9/8/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**48**
SW-13	9/8/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**128**
SW-14	9/8/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**16**
SW-15	9/8/2022	--	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	**32**
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

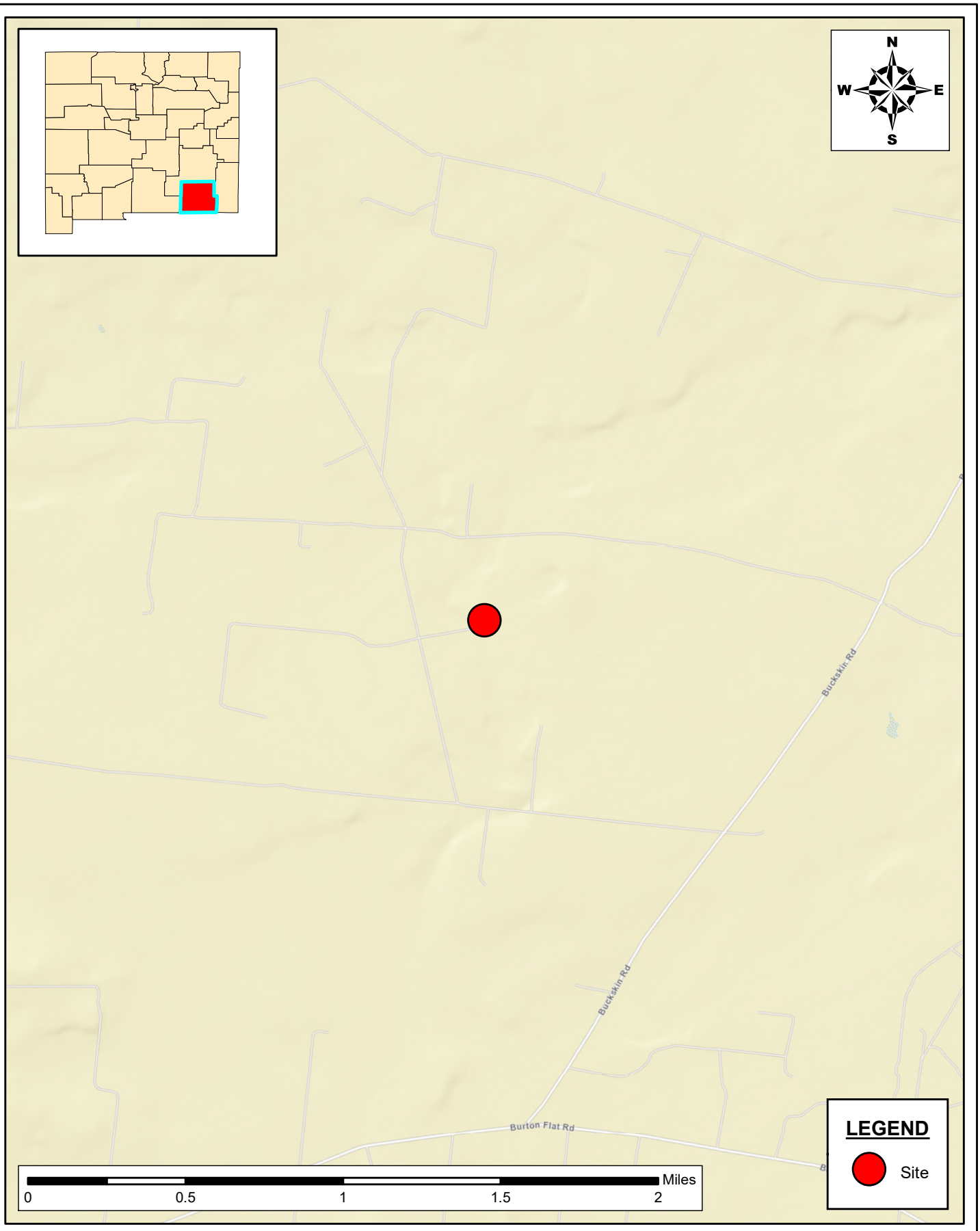
ft-feet

- exceeds regulatory limits

NTGE Project No. 225841

Perpared By: NTG ENVIRONMENTAL

FIGURES



SITE LOCATION MAP
SITE ASSESSMENT REPORT
GOVERNMENT AB 9 SWD
COLGATE. LLC
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN | DATE: 07/06/2022 | PROJECT #: 225841

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

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

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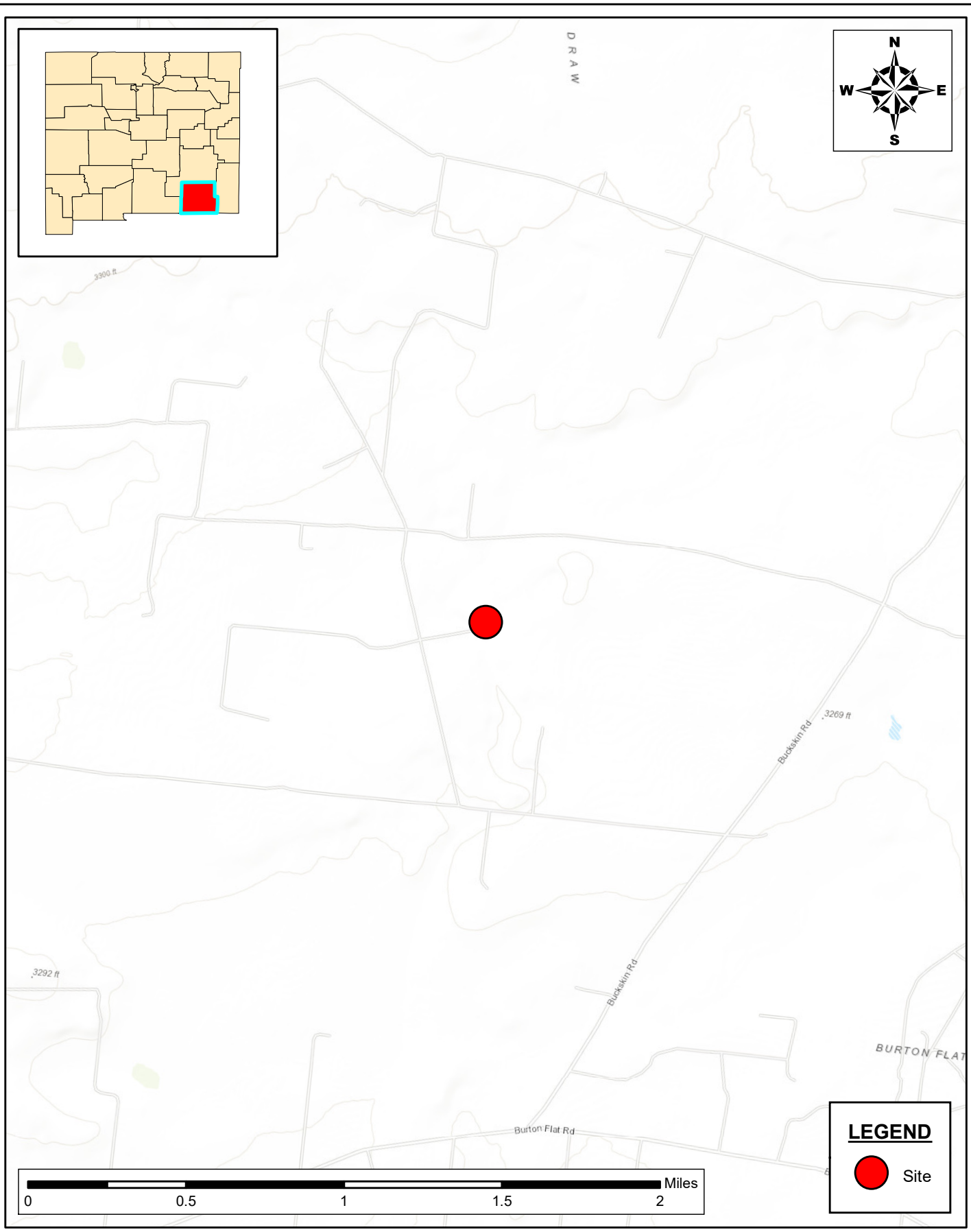

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SITE LOCATION MAP
SITE ASSESSMENT REPORT
GOVERNMENT AB 9 SWD
COLGATE. LLC
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 07/06/2022	PROJECT #: 225841

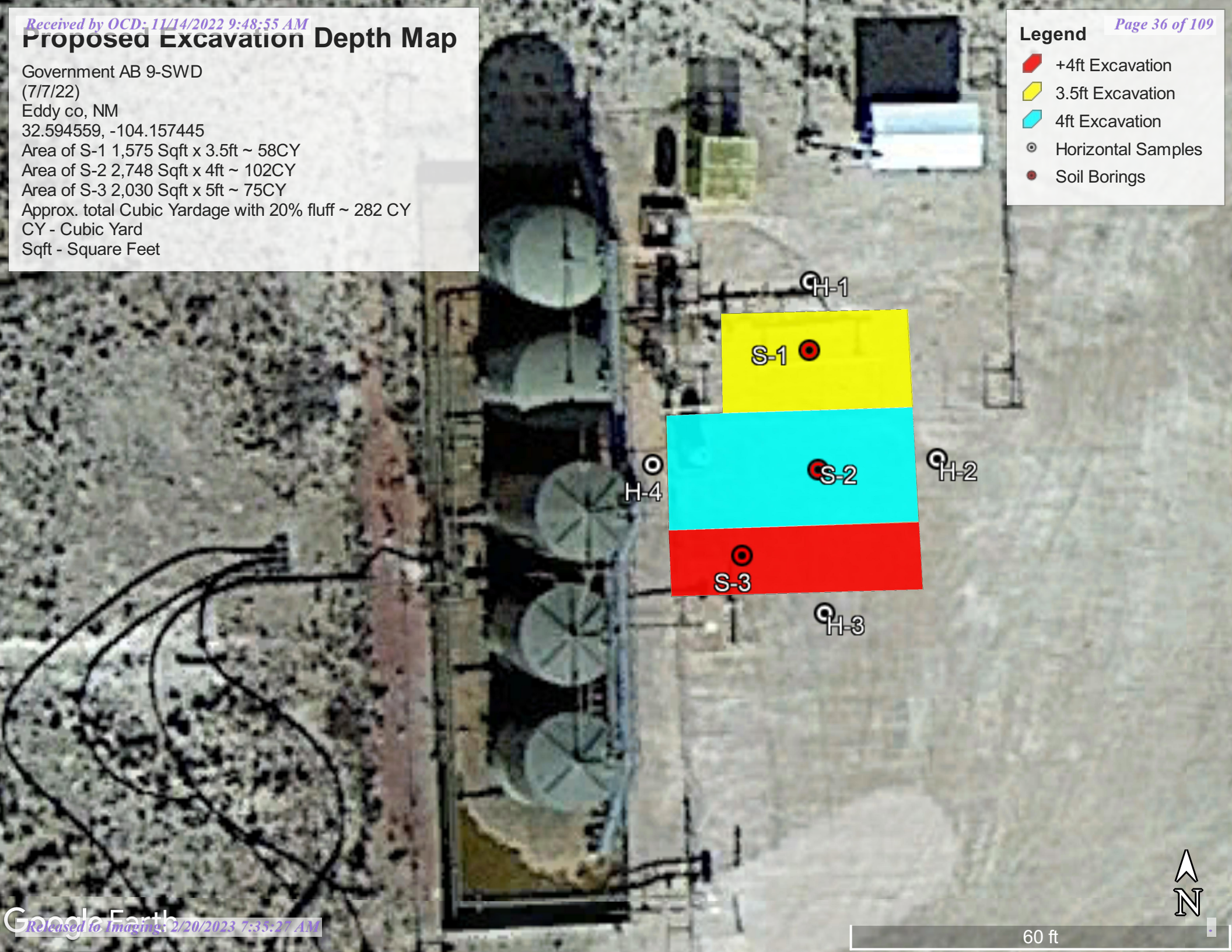
New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenvironmental.com

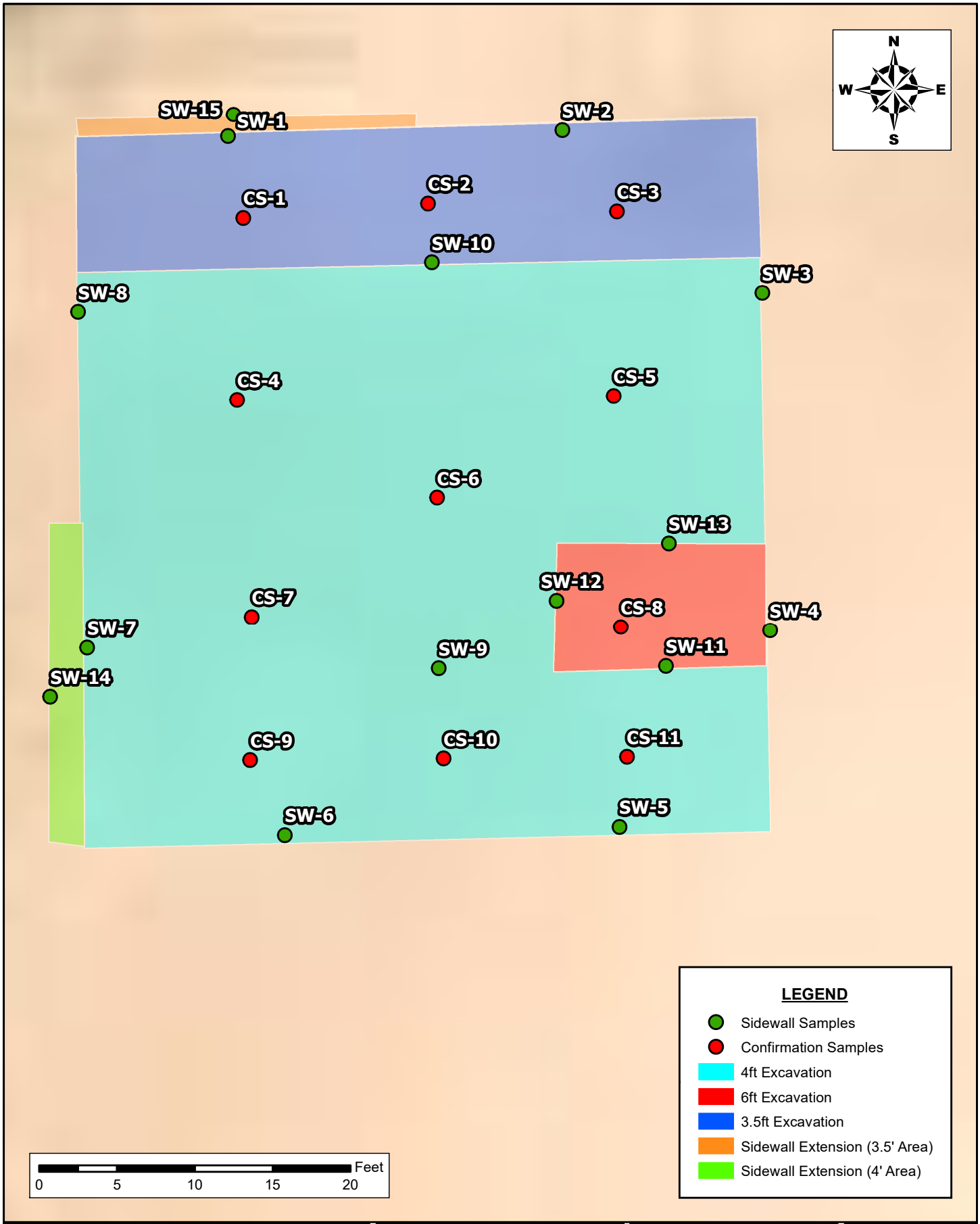
NOTES:
1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

Proposed Excavation Depth Map

Government AB 9-SWD
(7/7/22)
Eddy co, NM
32.594559, -104.157445
Area of S-1 1,575 Sqft x 3.5ft ~ 58CY
Area of S-2 2,748 Sqft x 4ft ~ 102CY
Area of S-3 2,030 Sqft x 5ft ~ 75CY
Approx. total Cubic Yardage with 20% fluff ~ 282 CY
CY - Cubic Yard
Sqft - Square Feet





SAMPLE LOCATION MAP
COLGATE PRODUCTION, LLC.
GOVERNMENT AB 9
EDDY CO, NEW MEXICO
32.594536°, -104.157413°

SCALE: As Shown | Date: 10/26/2022 | PROJECT #: 225874

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

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

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PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 1

Facility: Government AB 9 SW

County: Eddy County, New Mexico

Description:
Area of concern.

Photograph No. 2

Facility: Government AB 9 SW

County: Eddy County, New Mexico

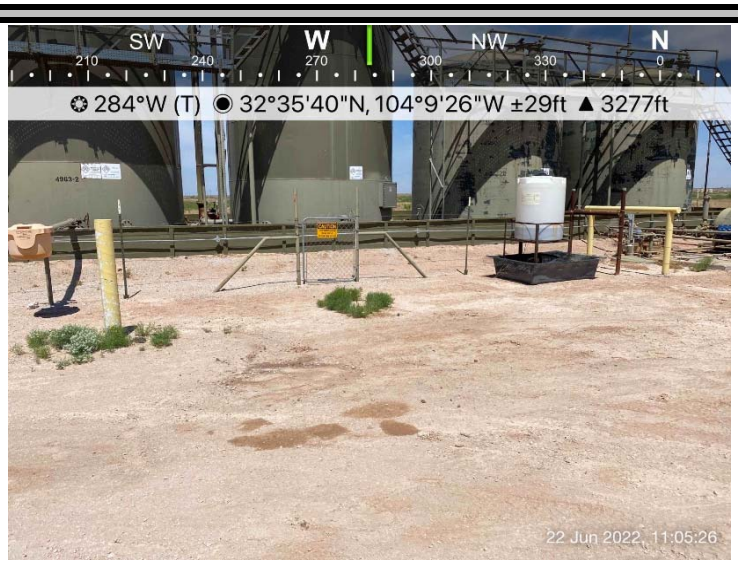
Description:
Area of concern.

Photograph No. 3

Facility: Government AB 9 SW

County: Eddy County, New Mexico

Description:
Area of concern.



PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 4

Facility: Government AB 9 SW

County: Eddy County, New Mexico

Description:
View of excavation.

Photograph No. 5

Facility: Government AB 9 SW

County: Eddy County, New Mexico

Description:
View of excavation.

Photograph No. 6

Facility: Government AB 9 SW

County: Eddy County, New Mexico

Description:
View of excavation.

PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 7

Facility: Government AB 9 SW

County: Eddy County, New Mexico

Description:
View of backfilled area.

Photograph No. 8

Facility: Government AB 9 SW

County: Eddy County, New Mexico

Description:
View of backfilled area.

Photograph No. 9

Facility: Government AB 9 SW

County: Eddy County, New Mexico

Description:
View of backfilled area.

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

CARDINAL Laboratories

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

August 31, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GOVERNMENT AB 9

Enclosed are the results of analyses for samples received by the laboratory on 08/26/22 13:50.

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

September 22, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GOVERNMENT AB 9

Enclosed are the results of analyses for samples received by the laboratory on 09/08/22 13:00.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 8 6'	H224126-01	Soil	08-Sep-22 13:00	08-Sep-22 13:00
SW - 11	H224126-02	Soil	08-Sep-22 13:00	08-Sep-22 13:00
SW - 12	H224126-03	Soil	08-Sep-22 13:00	08-Sep-22 13:00
SW - 13	H224126-04	Soil	08-Sep-22 13:00	08-Sep-22 13:00
SW - 14	H224126-05	Soil	08-Sep-22 13:00	08-Sep-22 13:00
SW - 15	H224126-06	Soil	08-Sep-22 13:00	08-Sep-22 13:00

09/22/22 - Client changed the samples IDs (see COC). This is the revised report and will replace the one sent on 09/13/22.

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

CS - 8 6'

H224126-01 (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	2091221	AC	12-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2090922*	JH	*12-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*96.5 %*	*45.3-161*		*2090915*	CK	*13-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*99.1 %*	*46.3-178*		*2090915*	CK	*13-Sep-22*	*8015B*	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

SW - 11

H224126-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	2091221	AC	12-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*69.9-140*		*2090922*	JH	*12-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
DRO >C10-C28*	**35.8**		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
EXT DRO >C28-C36	**11.6**		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*82.3 %*	*45.3-161*		*2090915*	CK	*13-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.0 %*	*46.3-178*		*2090915*	CK	*13-Sep-22*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

SW - 12

H224126-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2091221	AC	12-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2090922*	JH	*12-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*87.9 %*	*45.3-161*		*2090915*	CK	*13-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.5 %*	*46.3-178*		*2090915*	CK	*13-Sep-22*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

SW - 13

H224126-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	2091221	AC	12-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2090922*	JH	*12-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*88.4 %*	*45.3-161*		*2090915*	CK	*13-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.1 %*	*46.3-178*		*2090915*	CK	*13-Sep-22*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

SW - 14

H224126-05 (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	2091221	AC	12-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2090922*	JH	*12-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*89.7 %*	*45.3-161*		*2090915*	CK	*13-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.3 %*	*46.3-178*		*2090915*	CK	*13-Sep-22*	*8015B*	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

SW - 15

H224126-06 (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	2091221	AC	12-Sep-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090922	JH	12-Sep-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2090922*	JH	*12-Sep-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090915	CK	13-Sep-22	8015B	
Surrogate: 1-Chlorooctane			*95.9 %*	*45.3-161*		*2090915*	CK	*13-Sep-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*101 %*	*46.3-178*		*2090915*	CK	*13-Sep-22*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2091221 - 1:4 DI Water										
Blank (2091221-BLK1)				Prepared & Analyzed: 12-Sep-22						
Chloride	ND	16.0	mg/kg							
LCS (2091221-BS1)				Prepared & Analyzed: 12-Sep-22						
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (2091221-BSD1)				Prepared & Analyzed: 12-Sep-22						
Chloride	448	16.0	mg/kg	400		112	80-120	0.00	20	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

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 2090922 - Volatiles										
Blank (2090922-BLK1)				Prepared: 09-Sep-22 Analyzed: 12-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)	*0.0503*		mg/kg	*0.0500*		*101*	*69.9-140*			
LCS (2090922-BS1)				Prepared: 09-Sep-22 Analyzed: 12-Sep-22						
Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122			
Toluene	2.03	0.050	mg/kg	2.00		102	84.2-126			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	84.2-121			
m,p-Xylene	4.19	0.100	mg/kg	4.00		105	89.9-126			
o-Xylene	2.00	0.050	mg/kg	2.00		100	84.3-123			
Total Xylenes	6.20	0.150	mg/kg	6.00		103	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0495*		mg/kg	*0.0500*		*99.1*	*69.9-140*			
LCS Dup (2090922-BSD1)				Prepared: 09-Sep-22 Analyzed: 12-Sep-22						
Benzene	2.05	0.050	mg/kg	2.00		102	83.4-122	0.711	12.6	
Toluene	2.01	0.050	mg/kg	2.00		100	84.2-126	1.15	13.3	
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.0	84.2-121	1.21	13.9	
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	89.9-126	1.91	13.6	
o-Xylene	1.95	0.050	mg/kg	2.00		97.6	84.3-123	2.65	14.1	
Total Xylenes	6.07	0.150	mg/kg	6.00		101	89.1-124	2.15	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0480*		mg/kg	*0.0500*		*96.0*	*69.9-140*			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: GOVERNMENT AB 9 Project Number: 225841 Project Manager: ETHAN SESSUMS Fax To:	Reported: 22-Sep-22 11:31

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 2090915 - General Prep - Organics										
Blank (2090915-BLK1)				Prepared: 09-Sep-22 Analyzed: 12-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	*48.1*		mg/kg	*50.0*		*96.3*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*50.7*		mg/kg	*50.0*		*101*	*46.3-178*			
LCS (2090915-BS1)				Prepared: 09-Sep-22 Analyzed: 12-Sep-22						
GRO C6-C10	223	10.0	mg/kg	200		111	76.8-124			
DRO >C10-C28	225	10.0	mg/kg	200		112	74.9-127			
Total TPH C6-C28	447	10.0	mg/kg	400		112	77.5-124			
Surrogate: 1-Chlorooctane	*48.4*		mg/kg	*50.0*		*96.8*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*53.4*		mg/kg	*50.0*		*107*	*46.3-178*			
LCS Dup (2090915-BSD1)				Prepared: 09-Sep-22 Analyzed: 12-Sep-22						
GRO C6-C10	221	10.0	mg/kg	200		111	76.8-124	0.537	17.2	
DRO >C10-C28	221	10.0	mg/kg	200		111	74.9-127	1.39	18.6	
Total TPH C6-C28	443	10.0	mg/kg	400		111	77.5-124	0.962	17.6	
Surrogate: 1-Chlorooctane	*52.6*		mg/kg	*50.0*		*105*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*57.7*		mg/kg	*50.0*		*115*	*46.3-178*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

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CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGE	**BILL TO**	
Project Manager:	Ethan Sessums	P.O. #:	
Address:	400 E Wood Ave	Company:	
City:	Carlsbad	State: NM Zip: 88220	Attn:
Phone #:	254-266-5456	Fax #:	Address:
Project #:	225841	Project Owner: Colgate	City:
Project Name:	Government AB 9 SWD		State: Zip:
Project Location:	Eddy County		Phone #:
Sampler Name:	Tyler Kimball		Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH
H224126	* To: 9/22/22																
1	CS-8 6'	C	1			X							9.8	1:00	✓	✓	✓
2	SW-11	C	1			X							9.8	1:00			
3	SW-12	C	1			X							9.8	1:00			
4	SW-13	C	1			X							9.8	1:00			
5	SW-14	C	1			X							9.8	1:00			
6	SW-15	C	1			X							9.8	1:00			

Relinquished By:	Date: 9.8	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1:00		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: Email - Ethan
	Time:		† Sample ID changed To: 9/22/22

Delivered By: (Circle One)	Observed Temp. °C 12.1	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 11.5	☐ Yes ☑ Yes ☑ No ☐ No	TO	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C
				Thermometer ID #113 Correction Factor -0.6°C

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

CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 1 (H223943-01)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**624**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *101 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *107 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 2 (H223943-02)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *101 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *108 %* *46.3-178*

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Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 3 (H223943-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *95.7 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *102 %* *46.3-178*

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Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 4 (H223943-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *109 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *117 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 5 (H223943-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *103 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *110 %* *46.3-178*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 6 (H223943-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *86.9 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *94.8 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 7 (H223943-07)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**608**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane *89.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *95.9 %* *46.3-178*

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 8 (H223943-08)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane *98.7 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *104 %* *46.3-178*

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 9 (H223943-09)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane *104 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *109 %* *46.3-178*

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: SW - 10 (H223943-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	216	108	200	0.129	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane *99.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *107 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 1 (H223943-11)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	08/29/2022	ND	432	108	400	0.00	QR-03

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	**14.9**	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *80.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *91.2 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 2 (H223943-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	**16.7**	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *80.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *90.9 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 3 (H223943-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.07	104	2.00	5.76	
Toluene*	<0.050	0.050	08/30/2022	ND	2.00	100	2.00	5.98	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.97	98.4	2.00	5.86	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.14	102	6.00	6.45	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	**11.3**	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *76.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *87.4 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 4 (H223943-14)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.13	106	2.00	0.103	
Toluene*	<0.050	0.050	08/29/2022	ND	2.11	105	2.00	0.114	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.02	101	2.00	0.887	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.32	105	6.00	0.600	
Total BTEX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	**11.5**	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *86.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *98.3 %* *46.3-178*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 5 (H223943-15)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.13	106	2.00	0.103	
Toluene*	<0.050	0.050	08/29/2022	ND	2.11	105	2.00	0.114	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.02	101	2.00	0.887	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.32	105	6.00	0.600	
Total BTEX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	**10.8**	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *80.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *92.1 %* *46.3-178*

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 6 (H223943-16)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.13	106	2.00	0.103	
Toluene*	<0.050	0.050	08/29/2022	ND	2.11	105	2.00	0.114	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.02	101	2.00	0.887	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.32	105	6.00	0.600	
Total BTEX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	**10.1**	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *80.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *93.6 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 7 (H223943-17)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.13	106	2.00	0.103	
Toluene*	<0.050	0.050	08/29/2022	ND	2.11	105	2.00	0.114	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.02	101	2.00	0.887	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.32	105	6.00	0.600	
Total BTEX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *76.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *88.2 %* *46.3-178*

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 8 (H223943-18)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.13	106	2.00	0.103	
Toluene*	<0.050	0.050	08/29/2022	ND	2.11	105	2.00	0.114	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.02	101	2.00	0.887	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.32	105	6.00	0.600	
Total BTEX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**960**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *75.6 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *86.2 %* *46.3-178*

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 9 (H223943-19)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.13	106	2.00	0.103	
Toluene*	<0.050	0.050	08/29/2022	ND	2.11	105	2.00	0.114	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.02	101	2.00	0.887	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.32	105	6.00	0.600	
Total BTEX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *76.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *89.4 %* *46.3-178*

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 10 (H223943-20)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.13	106	2.00	0.103	
Toluene*	<0.050	0.050	08/29/2022	ND	2.11	105	2.00	0.114	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.02	101	2.00	0.887	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.32	105	6.00	0.600	
Total BTEX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *78.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *89.0 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/26/2022	Sampling Date:	08/26/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	GOVERNMENT AB 9	Sampling Condition:	** (See Notes)
Project Number:	225841	Sample Received By:	Shalyn Rodriguez
Project Location:	COLGATE		

Sample ID: CS - 11 (H223943-21)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.13	106	2.00	0.103	
Toluene*	<0.050	0.050	08/29/2022	ND	2.11	105	2.00	0.114	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.02	101	2.00	0.887	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.32	105	6.00	0.600	
Total BTEX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2022	ND	211	106	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/29/2022	ND	201	100	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	08/29/2022	ND					

Surrogate: 1-Chlorooctane *73.9 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *84.4 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Colgate
Project Manager:	
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	225841 Project Owner:
Project Name:	Government AB 9
Project Location:	Eddy County
Sampler Name:	Tyler Kimball

BILL TO

P.O. #:	
Company:	NTGE
Attn:	Ethan Sessums
Address:	402 E wood Ave
City:	Carlsbad
State:	NM Zip: 88220
Phone #:	254 266-5456
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	Cl	TPH	BTEX
H223943																	
1	SW-1	C	1			X					X		8-26	1:50	X	X	X
2	SW-2	C	1			X					X						
3	SW-3	C	1			X					X						
4	SW-4	C	1			X					X						
5	SW-5	C	1			X					X						
6	SW-6	C	1			X					X						
7	SW-4	C	1			X					X						
8	SW-8	C	1			X					X						
9	SW-9	C	1			X					X						
10	SW-10	C	1			X					X						

Relinquished By:	Date: 8-26	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Tyler Kimball	Time: 1:50	S Rodriguez	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 22.4	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 21.8	☐ Yes ☒ Yes ☐ No ☐ No	SR	Thermometer ID #113 Correction Factor -0.6°C

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

FORM-006 R 3.3 07/18/22

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Colgate	**BILL TO** P.O. #:	
Project Manager:		Company:	NTGE
Address:		Attn:	Ethan Sessums
City:	State: Zip:	Address:	402 E Wood Ave
Phone #:	Fax #:	City:	Carlsbad
Project #:	225841 Project Owner:	State:	NM Zip: 88220
Project Name:	Government AB 9	Phone #:	254 266 5456
Project Location:	Eddy County	Fax #:	
Sampler Name:	Tyler Kimball		

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	CL	TPH	BTEX
H223943																	
11	CS-1	C	1			X					X		8-26	1:50	X	X	X
12	CS-2	C	1			X					X						
13	CS-3	C	1			X					X						
14	CS-4	C	1			X					X						
15	CS-5	C	1			X					X						
16	CS-6	C	1			X					X						
17	CS-7	C	1			X					X						
18	CS-8	C	1			X					X						
19	CS-9	C	1			X					X						
20	CS-10	C	1			X					X						

Relinquished By: Tyler Kimball	Date: 8-26 Time: 1:50	Received By: S Rodriguez	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 22.4 Corrected Temp. °C 21.8	Sample Condition Cool: ☐ Yes ☑ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Colgate
Project Manager:	
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	22584 Project Owner:
Project Name:	Government AB 9
Project Location:	Eddy County
Sampler Name:	Tyler Kimball

BILL TO

P.O. #:	
Company:	NTGE
Attn:	Ethan Sessums
Address:	402 E Wood Ave
City:	Carlsbad
State:	NM Zip: 88220
Phone #:	254-266-5456
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	Cl	TPH	BTEX
H223943-21	C5-11	C	1			X					X		8-26	1:50	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Tyler Kimball	Date: 8/26/22 Time: 1350	Received By: S Rodriguez
Relinquished By:	Date: Time:	Received By:

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

Delivered By: (Circle One)	Observed Temp. °C 22.4°C	Sample Condition Cool Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 21.8°C	☐ Yes ☑ Yes ☐ No ☐ No	

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

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

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eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2452-1
Laboratory Sample Delivery Group: Eddy Co NM
Client Project/Site: Government AB 0009 SWD

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Ethan Sessums

JKRAMER

Authorized for release by:
7/1/2022 3:48:31 PM

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

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

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

Client: NT Global
Project/Site: Government AB 0009 SWD

Laboratory Job ID: 890-2452-1
SDG: Eddy Co NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
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 AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Job ID: 890-2452-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2452-1

Receipt
The samples were received on 6/23/2022 11:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°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
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-28365/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (890-2452-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (890-2452-2), S-3 (890-2452-3) and H-1 (890-2452-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-28365 and analytical batch 880-28375 contained Gasoline Range Organics (GRO)-C6-C10, Diesel Range Organics (Over C10-C28) and Total TPH above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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 880-28289 and analytical batch 880-28756 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 AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Client Sample ID: S-1

Lab Sample ID: 890-2452-1
Matrix: Solid
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01
Sample Depth: 3' - 3.5'

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		06/24/22 09:29	06/24/22 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/22 09:29	06/24/22 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 16:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/22 09:29	06/24/22 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/24/22 09:29*	*06/24/22 16:30*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/24/22 09:29*	*06/24/22 16:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/24/22 16:50	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			06/27/22 10:30	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		06/24/22 15:43	06/25/22 18:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 15:43	06/25/22 18:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 15:43	06/25/22 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*06/24/22 15:43*	*06/25/22 18:09*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*06/24/22 15:43*	*06/25/22 18:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**573**	**F1**	49.5		mg/Kg			07/01/22 12:51	10

Client Sample ID: S-2

Lab Sample ID: 890-2452-2
Matrix: Solid
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01
Sample Depth: 3' - 3.5'

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		06/24/22 09:29	06/24/22 16:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 16:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 16:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/22 09:29	06/24/22 16:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 16:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/22 09:29	06/24/22 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/24/22 09:29*	*06/24/22 16:50*	*1*

Client Sample Results

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Client Sample ID: S-2

Lab Sample ID: 890-2452-2
Matrix: Solid
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01
Sample Depth: 3' - 3.5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/24/22 09:29*	*06/24/22 16:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/24/22 16:50	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			06/27/22 10:30	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		06/24/22 15:43	06/25/22 19:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 15:43	06/25/22 19:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 15:43	06/25/22 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*06/24/22 15:43*	*06/25/22 19:15*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*06/24/22 15:43*	*06/25/22 19:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**648**		49.7		mg/Kg			07/01/22 13:15	10

Client Sample ID: S-3

Lab Sample ID: 890-2452-3
Matrix: Solid
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01
Sample Depth: 3' - 3.5'

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		06/24/22 09:29	06/24/22 17:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 17:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 17:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 17:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 17:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/24/22 09:29*	*06/24/22 17:11*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*06/24/22 09:29*	*06/24/22 17:11*	*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			06/24/22 16:50	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			06/27/22 10:30	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Client Sample ID: S-3

Lab Sample ID: 890-2452-3
Matrix: Solid
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01
Sample Depth: 3' - 3.5'

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		06/24/22 15:43	06/25/22 19:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 15:43	06/25/22 19:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 15:43	06/25/22 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*06/24/22 15:43*	*06/25/22 19:37*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*06/24/22 15:43*	*06/25/22 19:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3970**		50.5		mg/Kg			07/01/22 13:23	10

Client Sample ID: H-1

Lab Sample ID: 890-2452-4
Matrix: Solid
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

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		06/24/22 09:29	06/24/22 17:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 17:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 17:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 17:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 17:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*06/24/22 09:29*	*06/24/22 17:31*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*06/24/22 09:29*	*06/24/22 17:31*	*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			06/24/22 16:50	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			06/27/22 10:30	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		06/24/22 15:43	06/25/22 19:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/24/22 15:43	06/25/22 19:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/22 15:43	06/25/22 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*06/24/22 15:43*	*06/25/22 19:59*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*06/24/22 15:43*	*06/25/22 19:59*	*1*

Client Sample Results

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Client Sample ID: H-1

Lab Sample ID: 890-2452-4
Matrix: Solid
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.1		5.05		mg/Kg			07/01/22 13:46	1

Client Sample ID: H-2

Lab Sample ID: 890-2452-5
Matrix: Solid
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

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		06/24/22 09:29	06/24/22 17:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 17:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 17:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/24/22 09:29	06/24/22 17:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 17:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/24/22 09:29	06/24/22 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*06/24/22 09:29*	*06/24/22 17:52*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/24/22 09:29*	*06/24/22 17:52*	*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			06/24/22 16:50	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			06/27/22 10:30	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		06/24/22 15:43	06/25/22 20:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 15:43	06/25/22 20:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 15:43	06/25/22 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*06/24/22 15:43*	*06/25/22 20:20*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/24/22 15:43*	*06/25/22 20:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		4.97		mg/Kg			07/01/22 13:54	1

Client Sample ID: H-3

Lab Sample ID: 890-2452-6
Matrix: Solid
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

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		06/24/22 09:29	06/24/22 18:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 18:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 18:12	1

Client Sample Results

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Client Sample ID: H-3

Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/22 09:29	06/24/22 18:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 18:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/22 09:29	06/24/22 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/24/22 09:29*	*06/24/22 18:12*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/24/22 09:29*	*06/24/22 18:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/24/22 16:50	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			06/27/22 10:30	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		06/24/22 15:43	06/25/22 20:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 15:43	06/25/22 20:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 15:43	06/25/22 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*06/24/22 15:43*	*06/25/22 20:42*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/24/22 15:43*	*06/25/22 20:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		5.00		mg/Kg			07/01/22 14:02	1

Client Sample ID: H-4

Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 18:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 18:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 18:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 18:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 18:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/24/22 09:29*	*06/24/22 18:33*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*06/24/22 09:29*	*06/24/22 18:33*	*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			06/24/22 16:50	1

Client Sample Results

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Client Sample ID: H-4

Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-7

Matrix: Solid

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			06/27/22 10:30	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		06/24/22 15:43	06/25/22 21:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 15:43	06/25/22 21:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 15:43	06/25/22 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*06/24/22 15:43*	*06/25/22 21:04*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/24/22 15:43*	*06/25/22 21:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.7**		4.98		mg/Kg			07/01/22 14:10	1

Surrogate Summary

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-16269-A-1-A MS	Matrix Spike	108	95
880-16269-A-1-B MSD	Matrix Spike Duplicate	105	93
890-2452-1	S-1	103	85
890-2452-2	S-2	99	82
890-2452-3	S-3	94	84
890-2452-4	H-1	130	84
890-2452-5	H-2	114	92
890-2452-6	H-3	95	89
890-2452-7	H-4	92	84
LCS 880-28309/1-A	Lab Control Sample	107	97
LCSD 880-28309/2-A	Lab Control Sample Dup	107	96
MB 880-28309/5-A	Method Blank	102	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2452-1	S-1	128	136 S1+
890-2452-1 MS	S-1	124	122
890-2452-1 MSD	S-1	108	109
890-2452-2	S-2	121	131 S1+
890-2452-3	S-3	126	135 S1+
890-2452-4	H-1	125	136 S1+
890-2452-5	H-2	115	121
890-2452-6	H-3	106	108
890-2452-7	H-4	118	123
LCS 880-28365/2-A	Lab Control Sample	95	106
LCSD 880-28365/3-A	Lab Control Sample Dup	104	115
MB 880-28365/1-A	Method Blank	131 S1+	143 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28309/5-A
Matrix: Solid
Analysis Batch: 28306

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/22 09:29	06/24/22 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/24/22 09:29*	*06/24/22 11:41*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/24/22 09:29*	*06/24/22 11:41*	*1*

Lab Sample ID: LCS 880-28309/1-A
Matrix: Solid
Analysis Batch: 28306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1030		mg/Kg		103	70 - 130
Toluene	0.100	0.1018		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2159		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-28309/2-A
Matrix: Solid
Analysis Batch: 28306

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09436		mg/Kg		94	70 - 130	9	35
Toluene	0.100	0.09305		mg/Kg		93	70 - 130	9	35
Ethylbenzene	0.100	0.09657		mg/Kg		97	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130	9	35
o-Xylene	0.100	0.09869		mg/Kg		99	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-16269-A-1-A MS
Matrix: Solid
Analysis Batch: 28306

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 28309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08752		mg/Kg		88	70 - 130
Toluene	<0.00200	U	0.0998	0.08823		mg/Kg		88	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-16269-A-1-A MS
Matrix: Solid
Analysis Batch: 28306

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 28309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09061		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1858		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09266		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-16269-A-1-B MSD
Matrix: Solid
Analysis Batch: 28306

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 28309

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.07954		mg/Kg		80	70 - 130	10	35
Toluene	<0.00200	U	0.0996	0.08725		mg/Kg		88	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0996	0.09474		mg/Kg		95	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1938		mg/Kg		97	70 - 130	4	35
o-Xylene	<0.00200	U	0.0996	0.09513		mg/Kg		95	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-28365/1-A
Matrix: Solid
Analysis Batch: 28375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28365

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		06/24/22 15:43	06/25/22 17:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 15:43	06/25/22 17:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 15:43	06/25/22 17:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*06/24/22 15:43*	*06/25/22 17:03*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*06/24/22 15:43*	*06/25/22 17:03*	*1*

Lab Sample ID: LCS 880-28365/2-A
Matrix: Solid
Analysis Batch: 28375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	838.7		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	943.7		mg/Kg		94	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-28365/2-A
Matrix: Solid
Analysis Batch: 28375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28365

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-28365/3-A
Matrix: Solid
Analysis Batch: 28375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28365

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	851.2		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	985.5		mg/Kg		99	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 890-2452-1 MS
Matrix: Solid
Analysis Batch: 28375

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 28365

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	998	1116		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1195		mg/Kg		120	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 890-2452-1 MSD
Matrix: Solid
Analysis Batch: 28375

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 28365

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	999	1054		mg/Kg		104	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1064		mg/Kg		107	70 - 130	12	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	109		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28289/1-A
Matrix: Solid
Analysis Batch: 28756

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/01/22 09:56	1

Lab Sample ID: LCS 880-28289/2-A
Matrix: Solid
Analysis Batch: 28756

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	268.2		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-28289/3-A
Matrix: Solid
Analysis Batch: 28756

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	269.0		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 890-2452-1 MS
Matrix: Solid
Analysis Batch: 28756

Client Sample ID: S-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	573	F1	2480	3339	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 890-2452-1 MSD
Matrix: Solid
Analysis Batch: 28756

Client Sample ID: S-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	573	F1	2480	3331	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

GC VOA

Analysis Batch: 28306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2452-1	S-1	Total/NA	Solid	8021B	28309
890-2452-2	S-2	Total/NA	Solid	8021B	28309
890-2452-3	S-3	Total/NA	Solid	8021B	28309
890-2452-4	H-1	Total/NA	Solid	8021B	28309
890-2452-5	H-2	Total/NA	Solid	8021B	28309
890-2452-6	H-3	Total/NA	Solid	8021B	28309
890-2452-7	H-4	Total/NA	Solid	8021B	28309
MB 880-28309/5-A	Method Blank	Total/NA	Solid	8021B	28309
LCS 880-28309/1-A	Lab Control Sample	Total/NA	Solid	8021B	28309
LCSD 880-28309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28309
880-16269-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	28309
880-16269-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28309

Prep Batch: 28309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2452-1	S-1	Total/NA	Solid	5035	
890-2452-2	S-2	Total/NA	Solid	5035	
890-2452-3	S-3	Total/NA	Solid	5035	
890-2452-4	H-1	Total/NA	Solid	5035	
890-2452-5	H-2	Total/NA	Solid	5035	
890-2452-6	H-3	Total/NA	Solid	5035	
890-2452-7	H-4	Total/NA	Solid	5035	
MB 880-28309/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28309/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28309/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16269-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-16269-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 28368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2452-1	S-1	Total/NA	Solid	Total BTEX	
890-2452-2	S-2	Total/NA	Solid	Total BTEX	
890-2452-3	S-3	Total/NA	Solid	Total BTEX	
890-2452-4	H-1	Total/NA	Solid	Total BTEX	
890-2452-5	H-2	Total/NA	Solid	Total BTEX	
890-2452-6	H-3	Total/NA	Solid	Total BTEX	
890-2452-7	H-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 28365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2452-1	S-1	Total/NA	Solid	8015NM Prep	
890-2452-2	S-2	Total/NA	Solid	8015NM Prep	
890-2452-3	S-3	Total/NA	Solid	8015NM Prep	
890-2452-4	H-1	Total/NA	Solid	8015NM Prep	
890-2452-5	H-2	Total/NA	Solid	8015NM Prep	
890-2452-6	H-3	Total/NA	Solid	8015NM Prep	
890-2452-7	H-4	Total/NA	Solid	8015NM Prep	
MB 880-28365/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28365/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Prep Batch: 28365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-28365/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2452-1 MS	S-1	Total/NA	Solid	8015NM Prep	
890-2452-1 MSD	S-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2452-1	S-1	Total/NA	Solid	8015B NM	28365
890-2452-2	S-2	Total/NA	Solid	8015B NM	28365
890-2452-3	S-3	Total/NA	Solid	8015B NM	28365
890-2452-4	H-1	Total/NA	Solid	8015B NM	28365
890-2452-5	H-2	Total/NA	Solid	8015B NM	28365
890-2452-6	H-3	Total/NA	Solid	8015B NM	28365
890-2452-7	H-4	Total/NA	Solid	8015B NM	28365
MB 880-28365/1-A	Method Blank	Total/NA	Solid	8015B NM	28365
LCS 880-28365/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28365
LCSD 880-28365/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28365
890-2452-1 MS	S-1	Total/NA	Solid	8015B NM	28365
890-2452-1 MSD	S-1	Total/NA	Solid	8015B NM	28365

Analysis Batch: 28443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2452-1	S-1	Total/NA	Solid	8015 NM	
890-2452-2	S-2	Total/NA	Solid	8015 NM	
890-2452-3	S-3	Total/NA	Solid	8015 NM	
890-2452-4	H-1	Total/NA	Solid	8015 NM	
890-2452-5	H-2	Total/NA	Solid	8015 NM	
890-2452-6	H-3	Total/NA	Solid	8015 NM	
890-2452-7	H-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2452-1	S-1	Soluble	Solid	DI Leach	
890-2452-2	S-2	Soluble	Solid	DI Leach	
890-2452-3	S-3	Soluble	Solid	DI Leach	
890-2452-4	H-1	Soluble	Solid	DI Leach	
890-2452-5	H-2	Soluble	Solid	DI Leach	
890-2452-6	H-3	Soluble	Solid	DI Leach	
890-2452-7	H-4	Soluble	Solid	DI Leach	
MB 880-28289/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28289/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28289/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2452-1 MS	S-1	Soluble	Solid	DI Leach	
890-2452-1 MSD	S-1	Soluble	Solid	DI Leach	

Analysis Batch: 28756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2452-1	S-1	Soluble	Solid	300.0	28289
890-2452-2	S-2	Soluble	Solid	300.0	28289
890-2452-3	S-3	Soluble	Solid	300.0	28289

QC Association Summary

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

HPLC/IC (Continued)

Analysis Batch: 28756 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2452-4	H-1	Soluble	Solid	300.0	28289
890-2452-5	H-2	Soluble	Solid	300.0	28289
890-2452-6	H-3	Soluble	Solid	300.0	28289
890-2452-7	H-4	Soluble	Solid	300.0	28289
MB 880-28289/1-A	Method Blank	Soluble	Solid	300.0	28289
LCS 880-28289/2-A	Lab Control Sample	Soluble	Solid	300.0	28289
LCSD 880-28289/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28289
890-2452-1 MS	S-1	Soluble	Solid	300.0	28289
890-2452-1 MSD	S-1	Soluble	Solid	300.0	28289

Lab Chronicle

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Client Sample ID: S-1
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 16:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28368	06/24/22 16:50	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28443	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28365	06/24/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/25/22 18:09	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28289	06/23/22 18:40	SMC	XEN MID
Soluble	Analysis	300.0		10			28756	07/01/22 12:51	CH	XEN MID

Client Sample ID: S-2
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 16:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28368	06/24/22 16:50	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28443	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28365	06/24/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/25/22 19:15	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28289	06/23/22 18:40	SMC	XEN MID
Soluble	Analysis	300.0		10			28756	07/01/22 13:15	CH	XEN MID

Client Sample ID: S-3
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 17:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28368	06/24/22 16:50	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28443	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28365	06/24/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/25/22 19:37	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28289	06/23/22 18:40	SMC	XEN MID
Soluble	Analysis	300.0		10			28756	07/01/22 13:23	CH	XEN MID

Client Sample ID: H-1
Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 17:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28368	06/24/22 16:50	SM	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Client Sample ID: H-1

Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28443	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28365	06/24/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/25/22 19:59	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28289	06/23/22 18:40	SMC	XEN MID
Soluble	Analysis	300.0		1			28756	07/01/22 13:46	CH	XEN MID

Client Sample ID: H-2

Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 17:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28368	06/24/22 16:50	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28443	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28365	06/24/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/25/22 20:20	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28289	06/23/22 18:40	SMC	XEN MID
Soluble	Analysis	300.0		1			28756	07/01/22 13:54	CH	XEN MID

Client Sample ID: H-3

Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 18:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28368	06/24/22 16:50	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28443	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28365	06/24/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/25/22 20:42	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28289	06/23/22 18:40	SMC	XEN MID
Soluble	Analysis	300.0		1			28756	07/01/22 14:02	CH	XEN MID

Client Sample ID: H-4

Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 18:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28368	06/24/22 16:50	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28443	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28365	06/24/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/25/22 21:04	SM	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Client Sample ID: H-4

Date Collected: 06/22/22 00:00
Date Received: 06/23/22 11:01

Lab Sample ID: 890-2452-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	28289	06/23/22 18:40	SMC	XEN MID
Soluble	Analysis	300.0		1			28756	07/01/22 14:10	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 AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-23	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 AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Government AB 0009 SWD

Job ID: 890-2452-1
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2452-1	S-1	Solid	06/22/22 00:00	06/23/22 11:01	3' - 3.5'
890-2452-2	S-2	Solid	06/22/22 00:00	06/23/22 11:01	3' - 3.5'
890-2452-3	S-3	Solid	06/22/22 00:00	06/23/22 11:01	3' - 3.5'
890-2452-4	H-1	Solid	06/22/22 00:00	06/23/22 11:01	
890-2452-5	H-2	Solid	06/22/22 00:00	06/23/22 11:01	
890-2452-6	H-3	Solid	06/22/22 00:00	06/23/22 11:01	
890-2452-7	H-4	Solid	06/22/22 00:00	06/23/22 11:01	

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
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 AB 0009 SWD	Turn Around			
Project Number:		☑ Routine ☐ Rush			
Project Location	Eddy C. NM	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:	TMH007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.0
Total Containers:	6	Corrected Temperature:	1.8

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-1 (3-3.5')	6/22/2022	ES	X		Comp	1		X	X	X		
S-2(3-3.5')	~~6/23/2022~~	ES	X		Comp	1		X	X	X		
S-3(3-3.5')	~~6/24/2022~~	ES	X		Comp	1		X	X	X		
H-1	~~6/25/2022~~	ES	X		Comp	1		X	X	X		
H-2	~~6/26/2022~~	ES	X		Comp	1		X	X	X		
H-3	~~6/27/2022~~	ES	X		Comp	1		X	X	X		
H-4	~~6/28/2022~~	ES	X		Comp	1		X	X	X		

Additional Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		6/23/22 1059			
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2452-1
SDG Number: Eddy Co NM

Login Number: 2452
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: 890-2452-1
SDG Number: Eddy Co NM

Login Number: 2452
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 06/24/22 10:54 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").	False	

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

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

CONDITIONS

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 158408
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/20/2023