

Incident ID	nAPP2302353614
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: Rebecca Haskell Title: Senior Project Magager
 Signature: Rebecca Haskell Date: 4/6/23
 email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Jocelyn Harimon Date: 04/07/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Robert Hamlet Date: 8/24/2023

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2302353614
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Release Notification

Responsible Party

Responsible Party Earthstone Operating, LLC	OGRID
Contact Name Chris Martin	Contact Telephone 432-253-9998 Ext. 2653
Contact email cmartin@earthstoneenergy.com	Incident # (assigned by OCD)
Contact mailing address 600 N. Marienfeld, Suite 1000, Midland, TX 79701	

Location of Release Source

Latitude 32.326794 Longitude -104.313795
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bodacious 5 32 Federal Com 3BS #004H	Site Type: Tank Battery
Date Release Discovered: 01/09/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
0	5	23S	26E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Hole in fire tube on separator released approximately 10 bbls of produced water of which all was soaked into pad. No recovery.

State of New Mexico
Oil Conservation Division


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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Jeffrey Kindley</u> Title: <u>Senior Project Manager</u>
Signature:  Date: <u>01/23/23</u>
email: <u>jkindley@ntglobal.com</u> Telephone: <u>432-230-0920</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>01/24/2023</u>

Incident ID	nAPP2302353614
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Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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Incident ID	nAPP2302353614
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Printed Name: Rebecca Haskell Title: Senior Project Magager
 Signature: *Rebecca Haskell* Date: 4/6/23
 email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Jocelyn Harimon Date: 04/07/2023

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Remediation Plan

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

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

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- 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.
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Printed Name: Rebecca Haskell Title: Senior Project Magager
 Signature: Rebecca Haskell Date: 4/6/23
 email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Jocelyn Harimon Date: 04/07/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP230235314
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Facility ID	
Application ID	

Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Rebecca Haskell Title: Senior Project Magager
 Signature: Rebecca Haskell Date: 4/6/23
 email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Jocelyn Harimon Date: 04/06/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



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

April 6, 2023

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

**Re: Site Characterization and Closure/Deferral Request
Bodacious 5 32 Federal Com 3BS #004H
Earthstone Operating, LLC
Site Location: 0-5-23S-26E
(Lat 32.326794°, Long 104.313795°)
Eddy County, New Mexico
Incident ID: nAPP2302353614**

1. Introduction

On behalf of Earthstone Operating, LLC (Earthstone), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Closure/Deferral Request Report for the NMOCD District 2 Office in Artesia, New Mexico for documentation of site assessment, remedial action activities, and analysis at the Bodacious 4H (Site). The Site is located within Unit Letter 0, Section 5 of Township 23 South and Range 26 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.326794° N latitude and 104.313795° W Longitude. The release occurred on land managed by the Bureau of Land Management (BLM). Figure 1 depicts the site location with respect to the nearest town and Figure 2 shows the topographic map of the site.

2. Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release occurred on January 9, 2023, the result of a hole in the fire tube on a separator. Approximately 10 barrels (bbls) of produced water were released, with none being recovered. Upon discovery, the well was shut-in, and the area was secured. The release area is depicted on Figure 3. The Release Notification, Site Assessment/Characterization, and Closure/Deferral portions of Form C-141 for incident number nAPP2302353614 area attached to the front of this report.

3. Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known depth to groundwater sources and or features within a ½-mile radius of the location. No other receptors (water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst map the site is located within a medium Karst occurrence

Mr. Mike Bratcher
 April 6, 2023
 Page 2 of 3

area. The site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is provided in Attachment A.

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

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Medium Karst	Unknown

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+DRO)	BTEX	Benzene
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

4. Initial Soil Delineation Assessment Summary and Findings

On January 17, 2023, NTGE proceeded to conduct an initial delineation assessment whereby four (4) vertical sample points (S-1 through S-4) and ten (10) horizontal sample points (H-1 through H-10) were installed to delineate the area. The samples were collected from depths ranging from zero (0) to one (1.0) foot below ground surface (ft bgs) with a geotechnical hand auger. Based on NTGE personnel field screenings for Chlorides/TPH, vertical delineation was unachievable with a hand auger due to not being able to breakthrough the caliche pad at one (1) ft bgs; therefore, these samples were not analyzed by an accredited lab at this time.

On January 26, 2023, NTGE and Standard Safety and Supply (Standard), on behalf of Earthstone, installed three (3) test pits, TP-1 through TP-3, within the impacted area to obtain deeper samples and assess the vertical extent of impacts. Additionally, eight (8) hand auger borings (H-1 through H-8) were installed around the affected area to assess horizontal impacts. The test pit locations were excavated to depths ranging from surface to approximately six and a half (6.5) feet below ground surface. The samples were submitted to Pace Analytical (Pace) in Mount Juliet in Tennessee for analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX) by 8021B, total petroleum hydrocarbons (TPH) by method 8015 modified, and chloride by method 300.0. Analysis indicated that two (2) samples (TP-1 at 0-1' and TP-2 at 3'-3.5') exhibited chloride and or TPH concentrations that exceeded Table 1 Closure Criteria. Figure 3 depicts the initial delineation sample locations, analytical results are provided on Table 1, Summary of Soil

Mr. Mike Bratcher
April 6, 2023
Page 3 of 3

Analytical Data – Delineation Samples, while laboratory reports are included in Appendix D.

5. Remedial Action Activities and Confirmation Sampling

Based on visual observations made during the initial assessment on January 17, 2023, and initial soil sampling activities on January 26, 2023, exhibiting TPH and chloride concentrations above Table 1 Closure Criteria, NTGE and Standard, proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. Composite bottom hole and sidewall confirmation samples were collected by way of five (5) point composite samples from areas representing no greater than two hundred square feet. The confirmation samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B or 300.0).

On February 28, 2023, NTGE collected twenty-one (21) bottom hole and nine (9) sidewall confirmation samples. Additionally, a vertical delineation sample (D-1) was collected between the two separators located west of the excavation to vertically delineate impacted soil. Analytical results indicated that CS-1 exhibited TPH concentrations over the regulatory limit at a depth of four (4.0) ft bgs, and one (1) sidewall composite sample (SW-7) exhibited chloride concentrations that exceeded the Table 1 Closure Criteria. Analytical results for delineation sample D-1 indicated impacts left between the separators were below Table I closure criteria at two (2) to two and one half (2.5) ft bgs.

On March 20, 2023, after further excavation by Standard, NTGE conducted a confirmation sampling event, whereby one (1) composite bottom hole confirmation sample (CS-1A) and one (1) sidewall composite sample (SW-7A) was collected and submitted to Cardinal in Hobbs, New Mexico. Additionally, three (3) deferral delineation samples (ND, WD, and SD) were collected at (0-0.5') ft bgs to ensure the horizontal delineation was achieved for the impacts being left in place between the separators (D-1). Analytical results indicated that one (1) deferral sample (SD) exhibited TPH concentrations above Table 1 Closure Criteria.

The area represented by confirmation sample SD was further excavated by Standard due to the TPH exceedances to a depth of one (1) ft bgs. On March 24, 2023, NTGE conducted a confirmation sampling event, collecting one (1) bottom hole confirmation sample (CS-22), and one (1) sidewall composite confirmation sample (SW-10). The samples were submitted to Cardinal Labs in Hobbs, New Mexico. Analytical results indicated that all samples were under the Table 1 Closure Criteria for benzene, BTEX, TPH, and chlorides.

Approximately 316.44 tons of impacted soils were transported offsite for disposal at Lea Land, LLC of Carlsbad, New Mexico for final disposition. Due to file size, manifests are available upon request. The final excavation extent and confirmation sample locations are shown in Figure 4. Analytical results of the confirmation samples are included in Table 2, and in the Laboratory Analytical Reports provided in Attachment D. A photographic log is provided as Attachment B and Confirmation Sampling Notifications

Mr. Mike Bratcher
April 6, 2023
Page 4 of 3

are provided as Attachment C.

6. Closing and Deferral Request

Based on the assessment, remediation efforts, and confirmation sampling, the Site is in compliance with NMOCD regulatory standards with the exception of D-1 @ 0-6" and D-1 @ 1'-1.5' which exceeded the NMOCD standard for chloride concentrations. Deferral sample D-1 was collected between two onsite separators, further remediation of the soil at D-1 was not feasible without destabilizing the integrity of the equipment. As such, approximately one and one half (1.5) feet of impacted soil was left in-situ at the site between the separators. Earthstone requests closure with a deferral of soils left in-situ above NMOCD standards near D-1 until time of abandonment or upgrade of equipment allows for accessibility to the area. The limited deferral area is depicted on Figure 4.

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

Sincerely,
NTG Environmental

Rebecca Haskell

Rebecca Haskell
Senior Project Manager

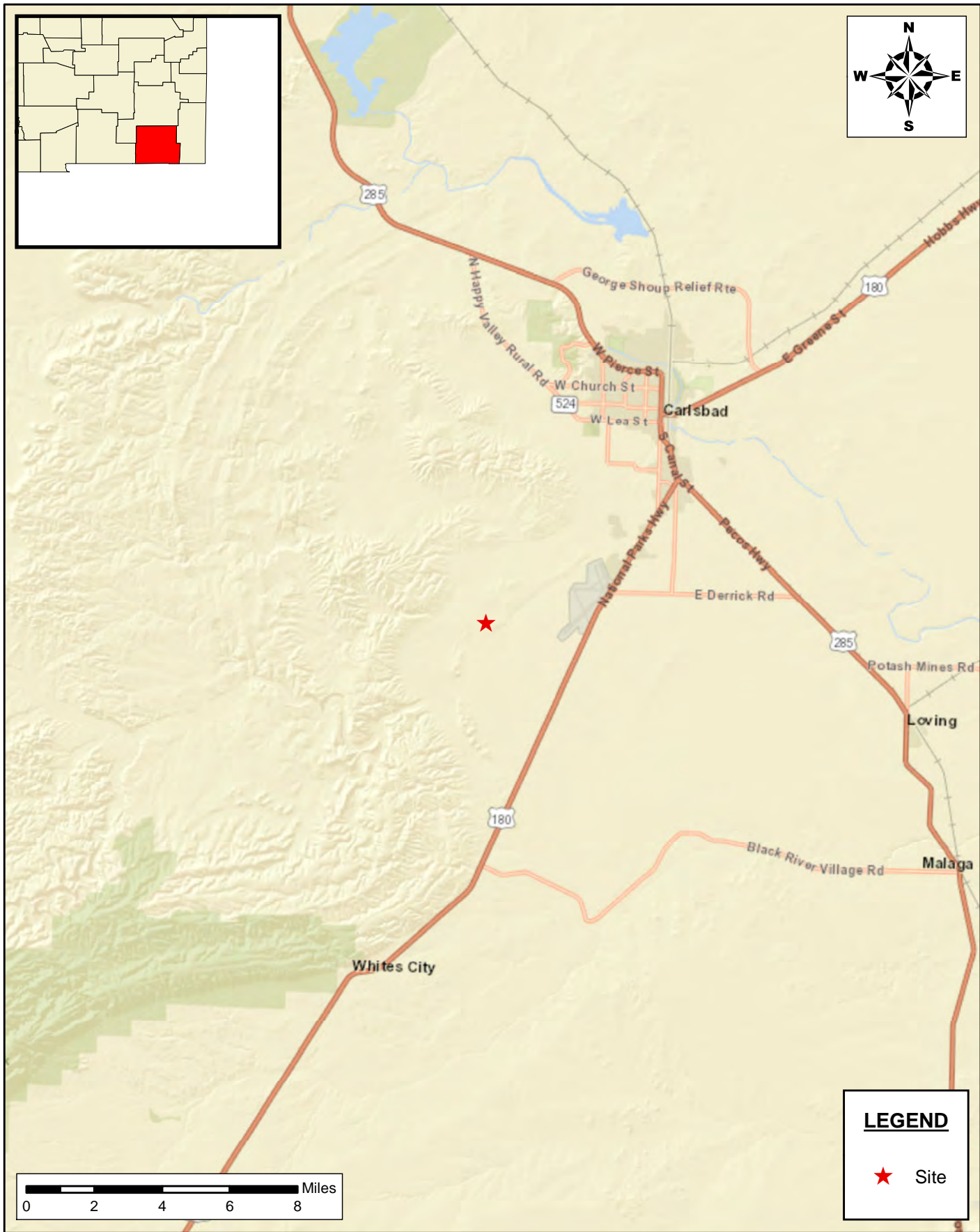
Attachments:

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

FIGURES

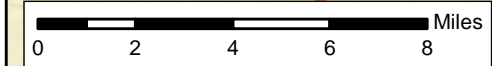


Document Path: P:\2023 PROJECTS\EARTHSTONE\IRSC\236769 Bodacious 5 32 Fed Com 3BS #4H 1.9.23\7 - Figures\GIS\Figure_1_Area Map_DH.mxd



LEGEND

★ Site



Site Location Map
 Earthstone Energy
 Bodacious 5 32 Fed Com 3BS #4H
 Eddy County, New Mexico
 32.326794°, -104.313795°

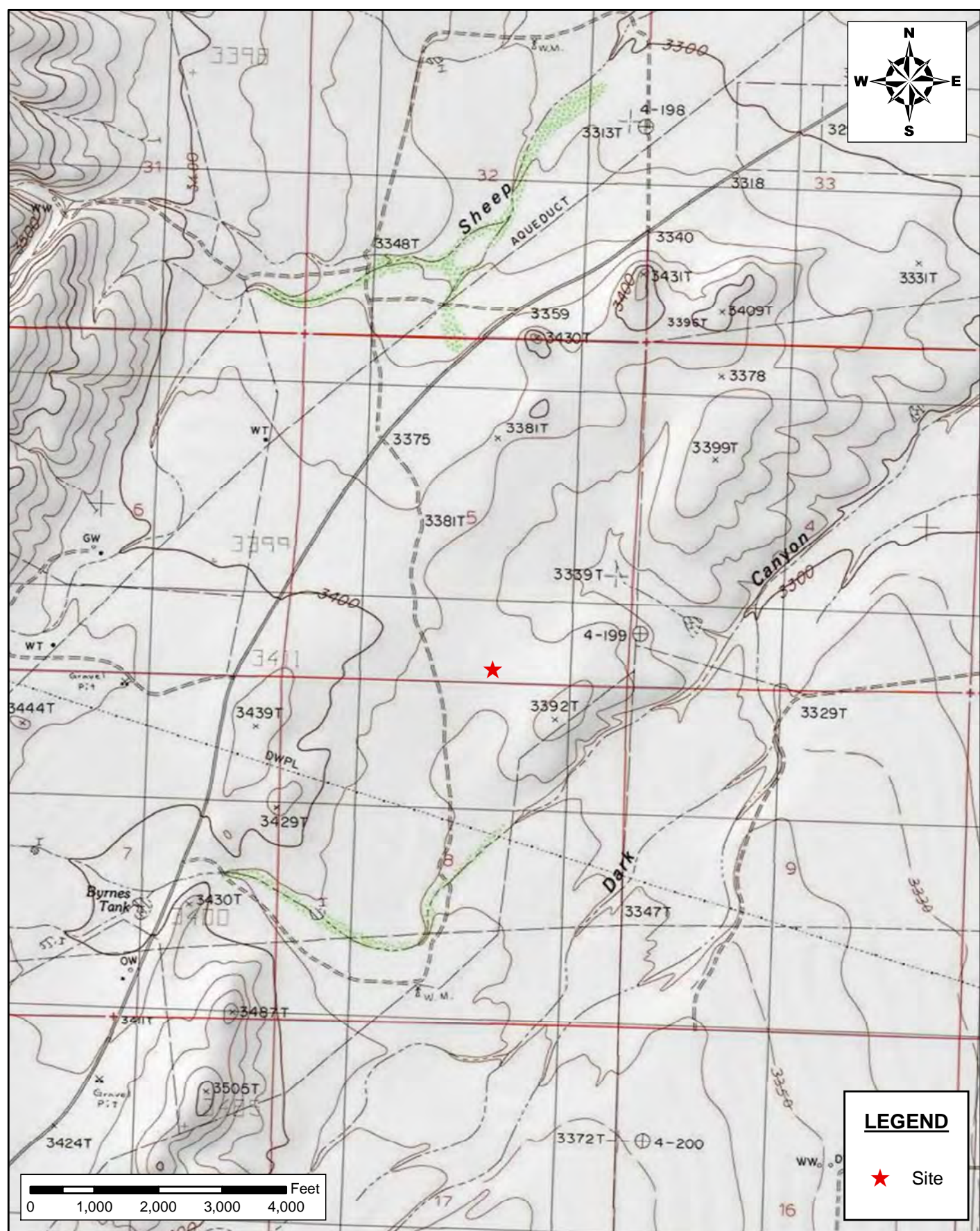
SCALE: As Shown DATE: 2/22/2023 PROJECT #: 236769

NTG
 ENVIRONMENTAL
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 1
 SHEET NUMBER:
1 of 1

Document Path: P:\2023 PROJECTS\EARTHSTONE\RSC\236769 Bodacious 5 32 Fed Com 3BS #4H 1.9.2317 - Figures\GIS\Figure_2_TM_DH1.mxd



Topographic Map
 Earthstone Energy
 Bodacious 5 32 Fed Com 3BS #4H
 Eddy County, New Mexico
 32.326794°, -104.313795°

SCALE: As Shown DATE: 2/22/2023 PROJECT #: 236769

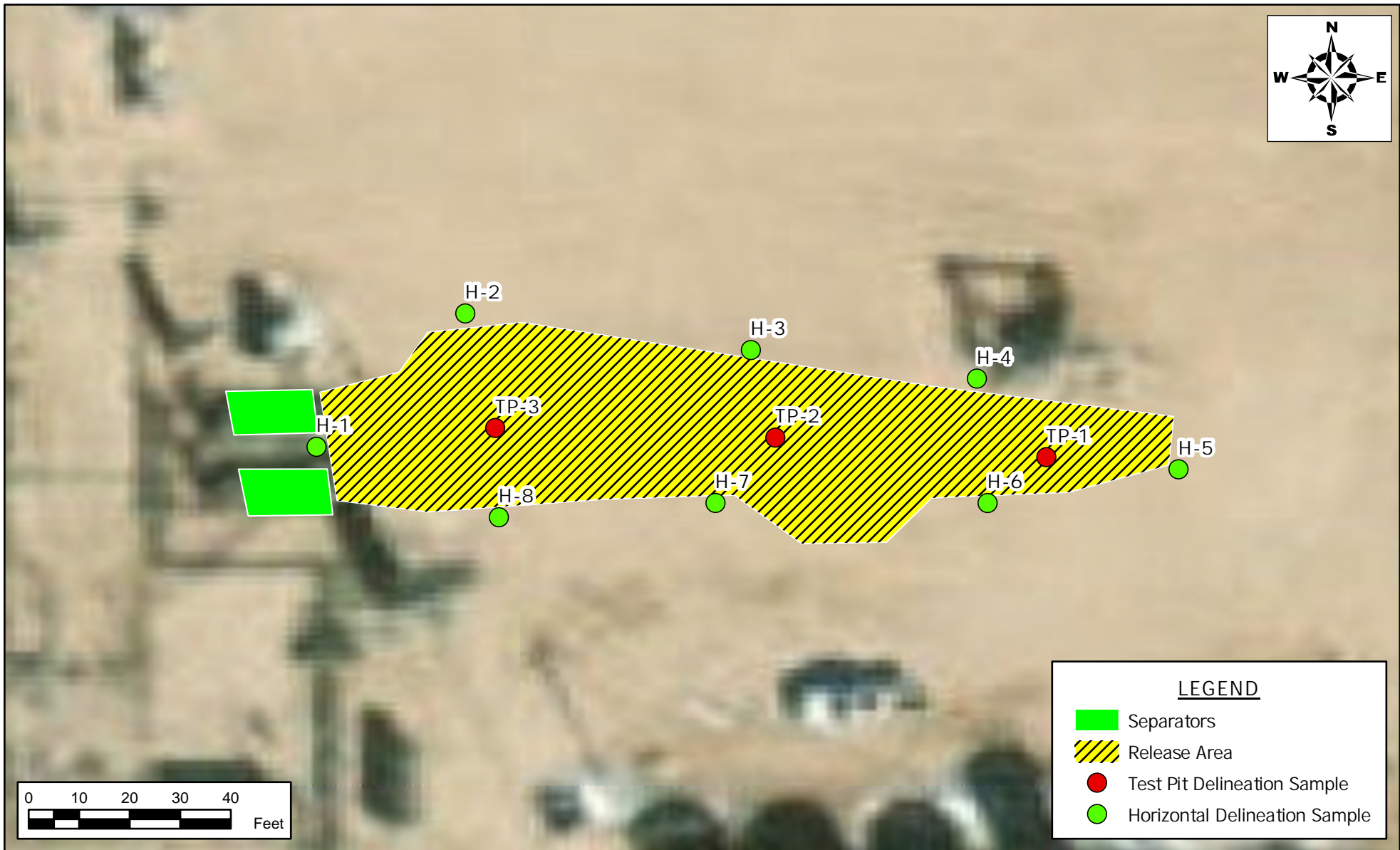
NTG
 ENVIRONMENTAL

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 Houston, Texas 77060
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 Web: www.ntglobal.com

NOTES:

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2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
 SHEET NUMBER:
1 of 1



DRAWING NUMBER:
FIGURE 3

SHEET NUMBER:
1 of 1


INITIAL SAMPLE MAP
EARTHSTONE OPERATING, LLC
 BODACIOUS 5 32 FEDERAL COM 3BS #004H
 EDDY COUNTY, NEW MEXICO
 32.326794, -104.313795

SCALE: AS SHOWN

DATE: 04/05/2023

PROJECT #: 236769

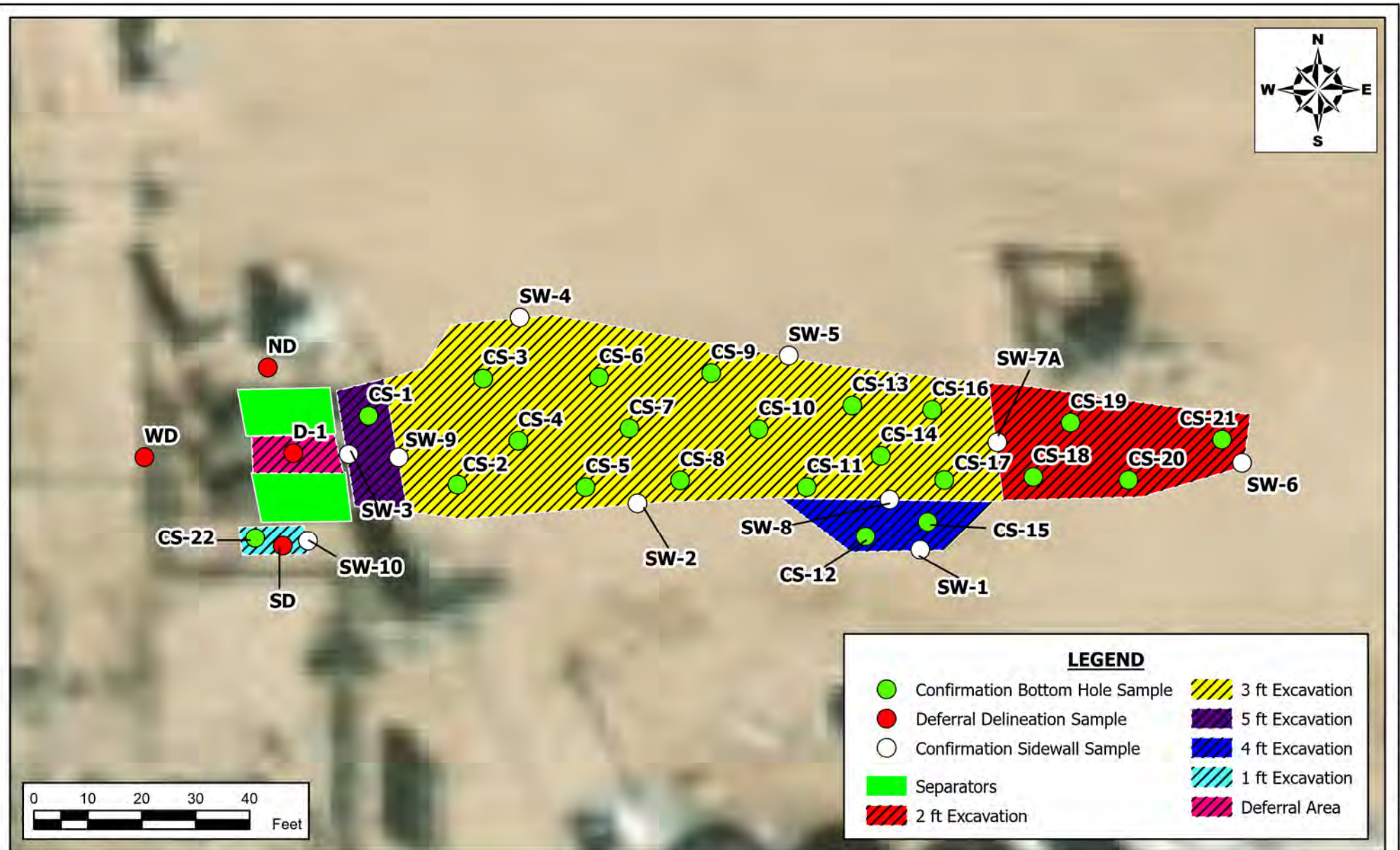
New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntglobal.com



NOTES:

1. Base Image: ESRI Maps and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto)
2. Map Projection: NAD 1983

Document Path: P:\2023 PROJECTS\EARTHSTONE\ESCO\236769 Bodacious 5 32 Fed Com 3BS #4H 1.9.2317 - Figures\Geodata\Figure_4_Confirmation_DeferralSampleMap_4052023.aprx



LEGEND

	Confirmation Bottom Hole Sample		3 ft Excavation
	Deferral Delineation Sample		5 ft Excavation
	Confirmation Sidewall Sample		4 ft Excavation
	Separators		1 ft Excavation
	2 ft Excavation		Deferral Area

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

CONFIRMATION/DEFERRAL SAMPLE MAP
EARTHSTONE OPERATING, LLC
 BODACIOUS 5 32 FEDERAL COM 3BS #004H
 EDDY COUNTY, NEW MEXICO
 32.326794, -104.313795

SCALE: AS SHOWN
 DATE: 04/06/2023
 PROJECT #: 236769

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 Web: www.ntglobal.com

NOTES:

1. Base Image: ESRI Maps and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto)
2. Map Projection: NAD 1983

TABLES



Table 1
Summary of Soil Analytical Data - Delineation Samples
Bodacious 5 32 Fed Com 3BS #4H
Earthstone Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
								(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Table I Closure Criteria for Soil <51 feet Depth to Groundwater 19.15.29 NMAC													
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Test Pit Delineation Samples													
TP-1	1/26/2023	0-1'	0.00226	<0.00610	<0.000610	<0.00183	0.00226	3.8	3.9	7.79	25.1	32.89	1030
TP-1	1/26/2023	1-1.5'	<0.000593	<0.00593	<0.000593	<0.00178	<0.00178	8.4	8.4	16.8	36.1	52.9	148
TP-1	1/26/2023	2-2.5'	<0.000663	<0.00663	<0.000663	<0.00199	<0.00199	<5.30	<5.30	<5.30	<5.30	<5.30	81.9
TP-1	1/26/2023	3-3.5'	<0.000578	<0.00578	<0.000578	<0.00173	<0.00173	<4.62	<4.62	<4.62	<4.62	<4.62	83.4
TP-1	1/26/2023	4-4.5'	<0.000565	<0.00565	<0.000565	<0.00169	<0.00169	<4.52	<4.52	<4.52	<4.52	<4.52	203
TP-1	1/26/2023	5-5.5'	<0.000569	<0.00569	<0.000569	<0.00171	<0.00171	<4.55	<4.55	<4.55	4.79	4.79	199
TP-1	1/26/2023	6-6.5'	<0.000545	<0.00545	<0.000545	<0.00163	<0.00163	<4.36	<4.36	<4.36	<4.36	<4.36	191
TP-2	1/26/2023	0-1'	0.000938	<0.00635	<0.000635	<0.00190	0.000938	3.1	3.2	6.3	17.3	23.6	142
TP-2	1/26/2023	1-1.5'	<0.000554	<0.00554	<0.000554	<0.00166	<0.00166	3.03	3.04	6.09	15.2	21.29	<22.1
TP-2	1/26/2023	2-2.5'	<0.000555	<0.00555	<0.000555	<0.00167	<0.00167	<4.44	<4.44	<4.44	5.07	5.07	33.5
TP-2	1/26/2023	3-3.5'	<0.000558	<0.00558	<0.000558	<0.00168	<0.00168	126	126	252	478	730	823
TP-2	1/26/2023	4-4.5'	<0.000527	<0.00527	<0.000527	<0.00158	<0.00158	<4.21	<4.21	<4.21	6.05	6.05	31.5
TP-3	1/26/2023	0-1'	<0.000564	<0.00564	<0.000564	<0.00169	<0.00169	<4.52	<4.52	<4.52	18.3	18.3	264
TP-3	1/26/2023	1-1.5'	<0.000569	<0.00569	<0.000569	<0.00171	<0.00171	2.35	2.35	4.7	15.2	19.9	74.9
TP-3	1/26/2023	2-2.5'	<0.000566	<0.00566	<0.000566	<0.00170	<0.00170	2.54	2.54	5.08	11.1	16.18	76.7
TP-3	1/26/2023	3-3.5'	<0.000567	<0.00567	<0.000567	<0.00171	<0.00171	<4.49	<4.49	<4.49	7.24	7.24	ND
TP-3	1/26/2023	4-4.5'	<0.000559	<0.00559	<0.000559	<0.00168	<0.00168	<4.48	<4.48	<4.48	<4.48	<4.48	64.9
Horizontal Delineation Samples													
H-1	1/26/2023	0-6"	<0.000621	<0.00621	<0.000621	<0.00187	<0.00187	2.58	2.58	5.17	7.44	12.61	<24.6
H-2	1/26/2023	0-6"	<0.000528	<0.00528	<0.000528	<0.00159	<0.00159	<4.18	<4.18	<4.18	<4.18	<4.18	<20.9
H-3	1/26/2023	0-6"	<0.000562	<0.00562	<0.000562	<0.00169	<0.00169	3.38	3.38	6.76	8.9	15.66	32.2
H-4	1/26/2023	0-6"	<0.000643	<0.00643	<0.000643	<0.00193	<0.00193	<5.14	<5.14	<5.14	14.5	14.5	<25.7
H-5	1/26/2023	0-6"	<0.000526	<0.00526	<0.000526	<0.00158	<0.00158	<4.21	<4.21	<4.21	5.4	5.4	260
H-6	1/26/2023	0-6"	<0.000662	<0.00662	<0.000662	<0.00199	<0.00199	3.47	3.47	6.94	13.8	20.74	<26.5
H-7	1/26/2023	0-6"	<0.000653	<0.00653	<0.000653	<0.00196	<0.00196	<5.22	<5.22	<5.22	<5.22	<5.22	<26.1
H-8	1/26/2023	0-6"	<0.000563	<0.00563	<0.000563	<0.00169	<0.00169	5.8	5.8	11.6	18.5	30.1	<22.5

Notes:

- 1. Values reported in mg/kg
- 2. < = Value Less Than Reporting Limit (RL)
- 3. Bold indicates Analyte Detected
- 4. BTEX analyses by EPA Method SW 8021B
- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

~~SP-1~~ Sample Point Excavated

Table 2
Summary of Soil Analytical Data - Confirmation/Deferral Samples
Bodacious 5 32 Fed Com 3BS #4H
Earthstone Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (mg/kg)	
								Table 1 Closure Criteria for Soil <51 feet Depth to Groundwater 19.15.29 NMAC					
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Bottom Hole Confirmation Samples													
CS-1	2/28/2023	4'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	218	218	<49.9	218	315
CS-1A	3/20/2023	5'	<0.0500	<0.0500	<0.0500	<0.0500	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-2	2/28/2023	3'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	253
CS-3	2/28/2023	3'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	90.6
CS-4	2/28/2023	3'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	241
CS-5	2/28/2023	3'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	363
CS-6	2/28/2023	3'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	145
CS-7	2/28/2023	3'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	134
CS-8	2/28/2023	3'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	351
CS-9	2/28/2023	3'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	82.4
CS-10	2/28/2023	3'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	124
CS-11	2/28/2023	3'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	301
CS-12	2/28/2023	4'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	100
CS-13	2/28/2023	3'	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	98.8
CS-14	2/28/2023	3'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	483
CS-15	2/28/2023	4'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	152
CS-16	2/28/2023	3'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	172
CS-17	2/28/2023	3'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	354
CS-18	2/28/2023	2'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	169
CS-19	2/28/2023	2'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	138
CS-20	2/28/2023	2'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	156
CS-21	2/28/2023	2'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	253

Table 2
Summary of Soil Analytical Data - Confirmation/Deferral Samples
Bodacious 5 32 Fed Com 3BS #4H
Earthstone Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (mg/kg)	
								Table I Closure Criteria for Soil <51 feet Depth to Groundwater 19.15.29 NMAC					
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Confirmation Sidewall Samples													
SW-1	2/28/2023	0-4'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	84.0
SW-2	2/28/2023	0-3'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	70.6
SW-3	2/28/2023	0-4'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	97.1	97.1	<49.9	97.1	435
SW-4	2/28/2023	0-3'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	107
SW-5	2/28/2023	0-3'	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	92.0
SW-6	2/28/2023	0-2'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	376
SW-7	2/28/2023	2-3'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	785
SW-7A	3/20/2023	2'-3'	<0.0500	<0.0500	<0.0500	<0.0500	<0.3000	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-8	2/28/2023	3'-4'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	218
SW-9	2/28/2023	3'-4'	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	57.8
SW-10	3/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
Deferral Delineation Samples													
D-1	2/28/2023	0-6"	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	840
	2/28/2023	1'-1.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	55.6	55.6	<50.0	55.6	901
	2/28/2023	2'-2.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	519
	2/28/2023	3'-3.5'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	256
	2/28/2023	4'-4.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	115
ND	3/20/2023	0-0.5'	<0.0500	<0.0500	<0.0500	<0.150	<0.300	<10.0	47.7	47.7	<10.0	47.7	48
WD	3/20/2023	0-0.5'	<0.0500	<0.0500	<0.0500	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SD	3/20/2023	0-0.5'	<0.0500	<0.0500	<0.0500	<0.150	<0.300	<10.0	3620	3620	1060	4680	32
CS-22	3/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256

Notes:

1. Values reported in mg/kg
2. < = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

~~SP-1~~ Sample Point Excavated

ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION



Site Characterization Map

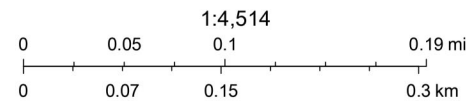
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Received by OCD: 4/7/2023 12:00:25 AM



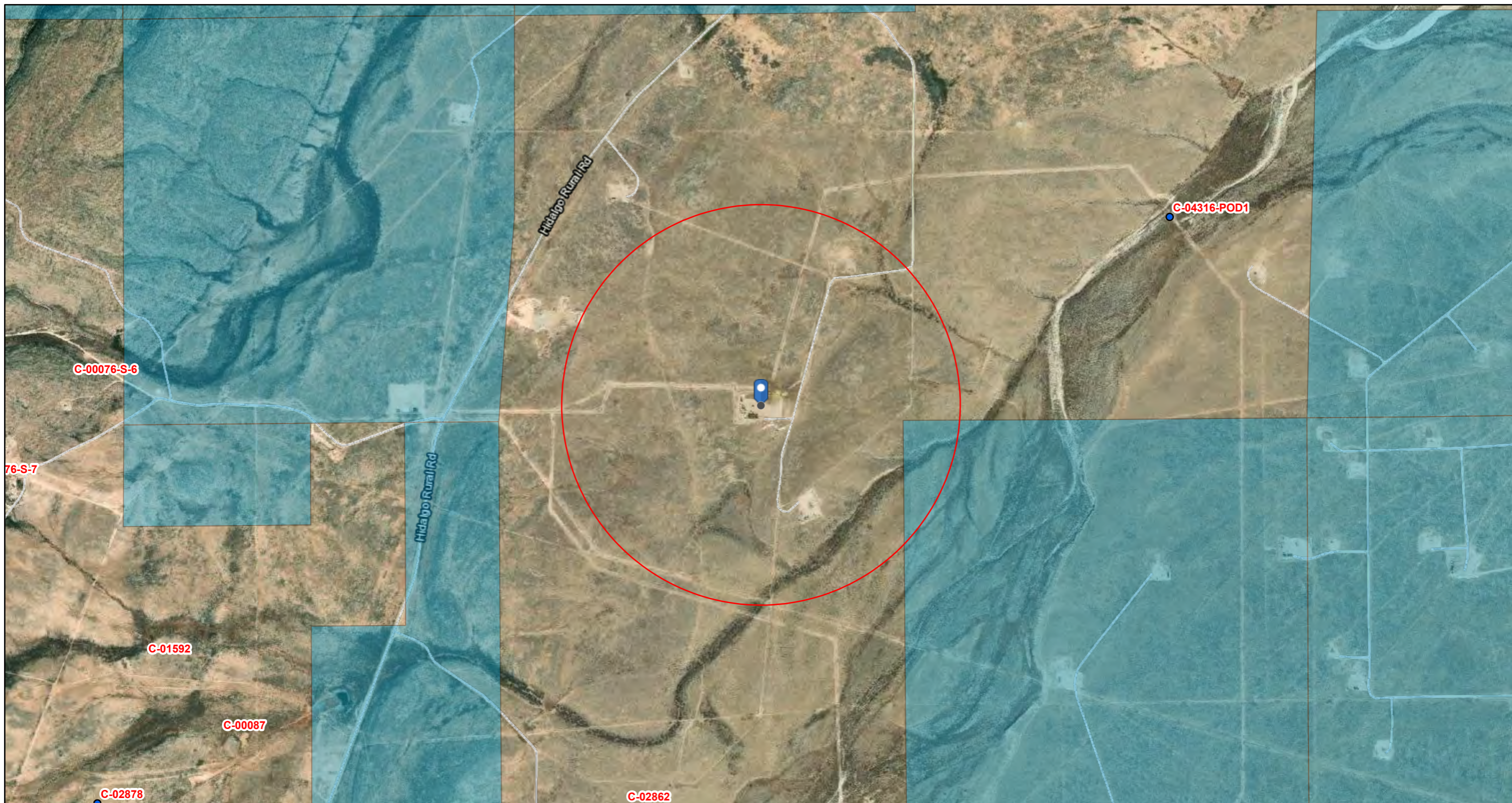
4/6/2023, 11:03:21 AM

Karst Occurrence Potential ■ OSW Water Bodies PLSS Second Division
■ Medium — OSE Streams PLSS First Division



BLM, OCD, New Mexico Tech, USGS, Esri, HERE, Garmin, IPC, Maxar, NM OSE, BLM

OSE POD Locations Map



1/24/2023, 1:45:53 PM

GIS WATERS PODs

- Active
- OSE District Boundary
- Surface Water Sub Basins
- New Mexico State Trust Lands
- Both Estates
- Hydro Survey Footprints
- Hydro Survey Boundary
- <all other values>
- None
- All
- Partial

SiteBoundaries

Sample Locations

- Well
- ✕ Abandoned Well
- Oil, Gas Well
- ✕ Abandoned Oil, Gas Well

▲ Surface

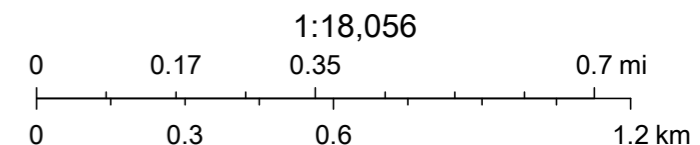
⊕ Surface/Sediment

- ⊕ Sediment
- ⊕ Precipitation Gauge
- ✕ Abandoned Precipitation Gauge
- Air Particulate

⊕ Abandoned Air Particulate

Treatment System

✕ Abandoned Treatment System









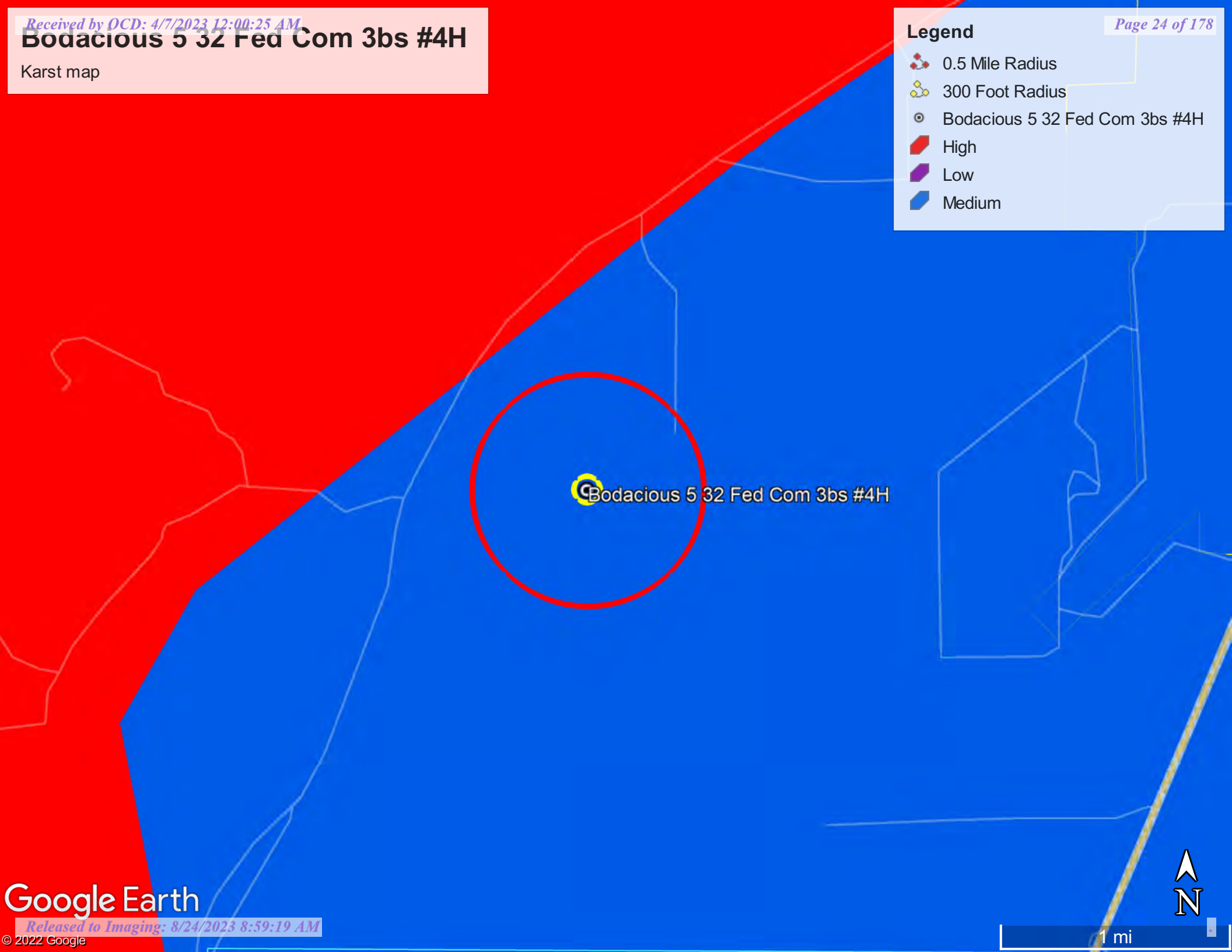
Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

Bodacious 5 32 Fed Com 3bs #4H

Karst map

Legend

-  0.5 Mile Radius
-  300 Foot Radius
-  Bodacious 5 32 Fed Com 3bs #4H
-  High
-  Low
-  Medium



Bodacious 5 32 Fed Com 3bs #4H

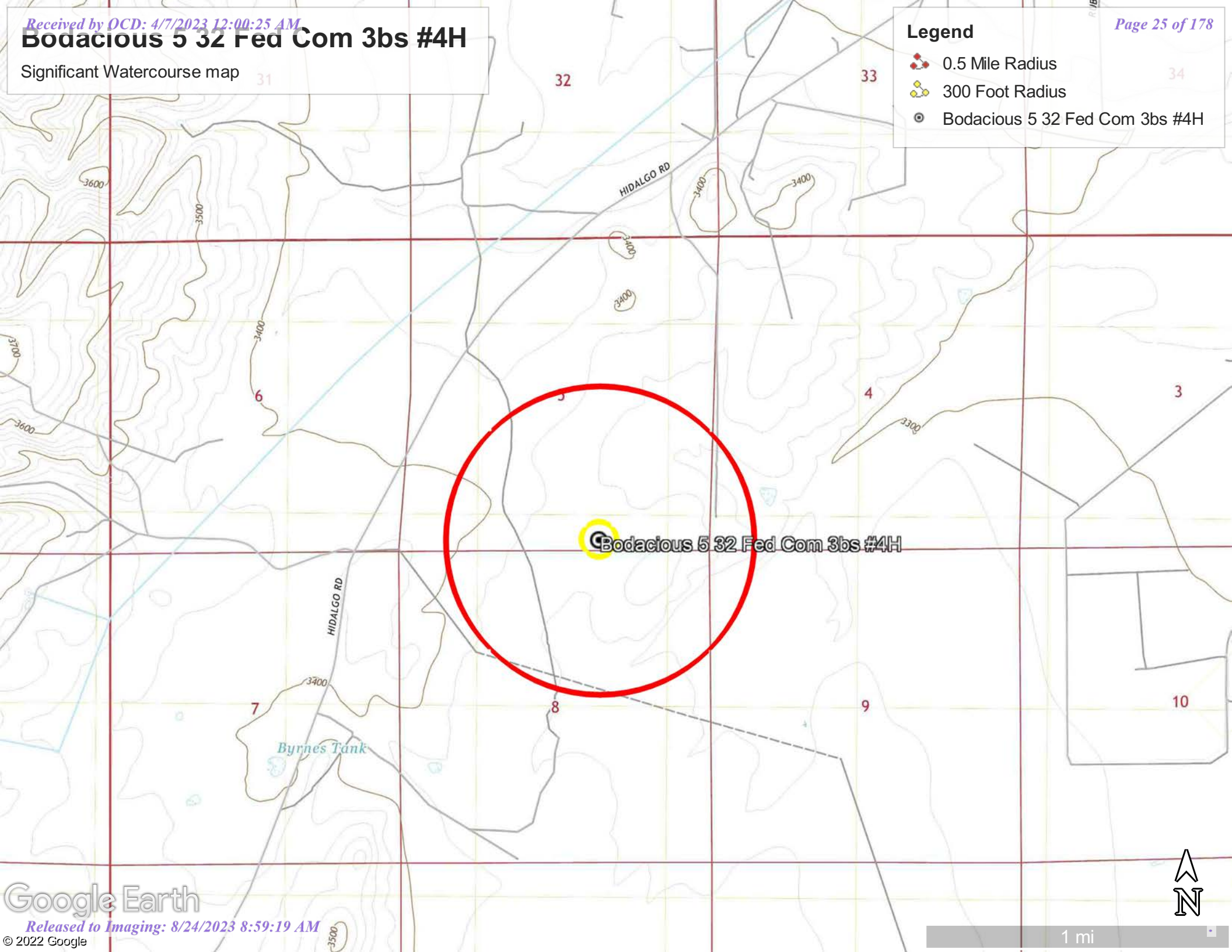


Bodacious 5 32 Fed Com 3bs #4H

Significant Watercourse map

Legend

-  0.5 Mile Radius
-  300 Foot Radius
-  Bodacious 5 32 Fed Com 3bs #4H





wetland



January 24, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMMette



104°19'6"W 32°19'52"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/24/2023 at 2:55 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

ATTACHMENT B: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG

Earthstone Operating, LLC

Photograph No. 1

Facility: Bodacious 5 32 Fed Com 3BS #4H

County: Eddy County, New Mexico

Description:
View of Impacted Area



Photograph No. 2

Facility: Bodacious 5 32 Fed Com 3BS #4H

County: Eddy County, New Mexico

Description:
View of Impacted Area



Photograph No. 3

Facility: Bodacious 5 32 Fed Com 3BS #4H

County: Eddy County, New Mexico

Description:
View of Impacted Area



PHOTOGRAPHIC LOG

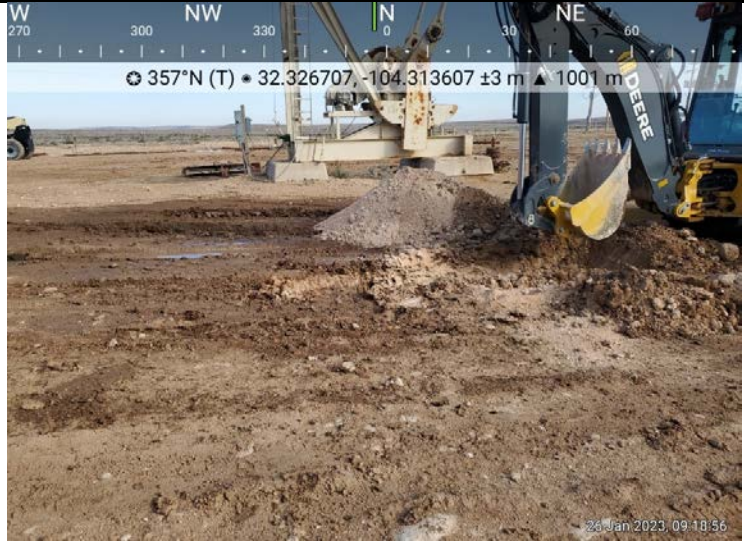
Earthstone Operating, LLC

Photograph No. 4

Facility: Bodacious 5 32 Fed Com 3BS #4H

County: Eddy County, New Mexico

Description:
View of Initial Test Pit Delineation



Photograph No. 5

Facility: Bodacious 5 32 Fed Com 3BS #4H

County: Eddy County, New Mexico

Description:
View of Initial Assessment Activities



Photograph No. 6

Facility: Bodacious 5 32 Fed Com 3BS #4H

County: Eddy County, New Mexico

Description:
View of Remedial Action Activities



PHOTOGRAPHIC LOG

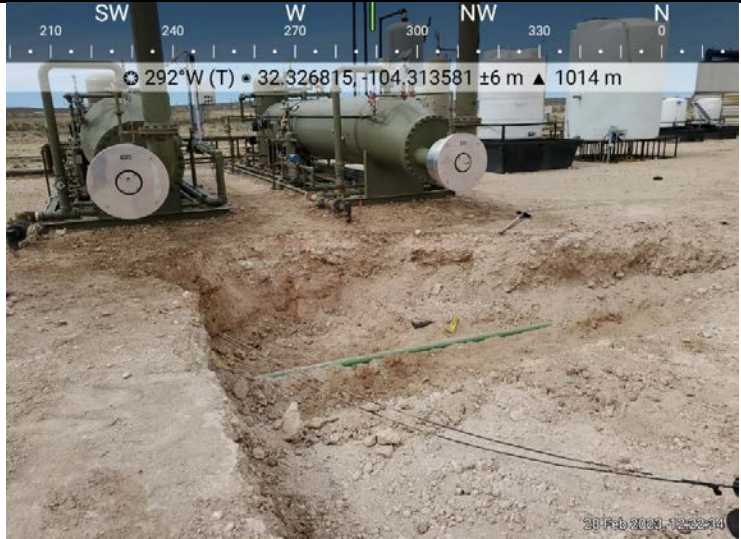
Earthstone Operating, LLC

Photograph No. 7

Facility: Bodacious 5 32 Fed Com 3BS #4H

County: Eddy County, New Mexico

Description:
View of Remedial Action Activities



Photograph No. 8

Facility: Bodacious 5 32 Fed Com 3BS #4H

County: Eddy County, New Mexico

Description:
View of Remedial Action Activities



Photograph No. 9

Facility: Bodacious 5 32 Fed Com 3BS #4H

County: Eddy County, New Mexico

Description:
View of Remedial Action Activities



ATTACHMENT C: CONFIRMATION SAMPLING NOTIFICATIONS



Becky Haskell

From: Jordan Tyner
Sent: Thursday, February 23, 2023 4:59 PM
To: New Mexico OCD
Cc: NTGE Carlsbad
Subject: Sampling Event

Good Afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Bodacious 5 32 Federal Com 3BS #004H
0-5-23S-26E
Eddy County, NM
nAPP2302353614

Sampling will begin at 10:00 a.m. on Tuesday, February 28, 2023 continuous through March 1, 2023.

Thank You,

Jordan Tyner
Project Scientist
NTG Environmental New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: (903) 309-8358 W: (432) 813-0263
Email: jtyner@ntglobal.com
<http://www.ntgenvironmental.com/>



Becky Haskell

From: Ricardo Baer
Sent: Wednesday, March 15, 2023 4:57 PM
To: OCD.Enviro@emnrd.nm.gov
Cc: Becky Haskell; NTGE Carlsbad
Subject: Bodacious 5 32 Federal Com 3BS #004H

Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Bodacious 5 32 Federal Com 3BS #004H
0-05-23S-26E
Eddy County, NM
nAPP2302353614

Sampling will begin at 8:00 a.m. on Monday, March 20, 2023, and continue through Friday, March 24, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO
Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



ATTACHMENT D: LABORATORY ANALYTICAL REPORTS AND CHAIN-OF- CUSTODY DOCUMENTATION





ANALYTICAL REPORT

February 13, 2023

Revised Report

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

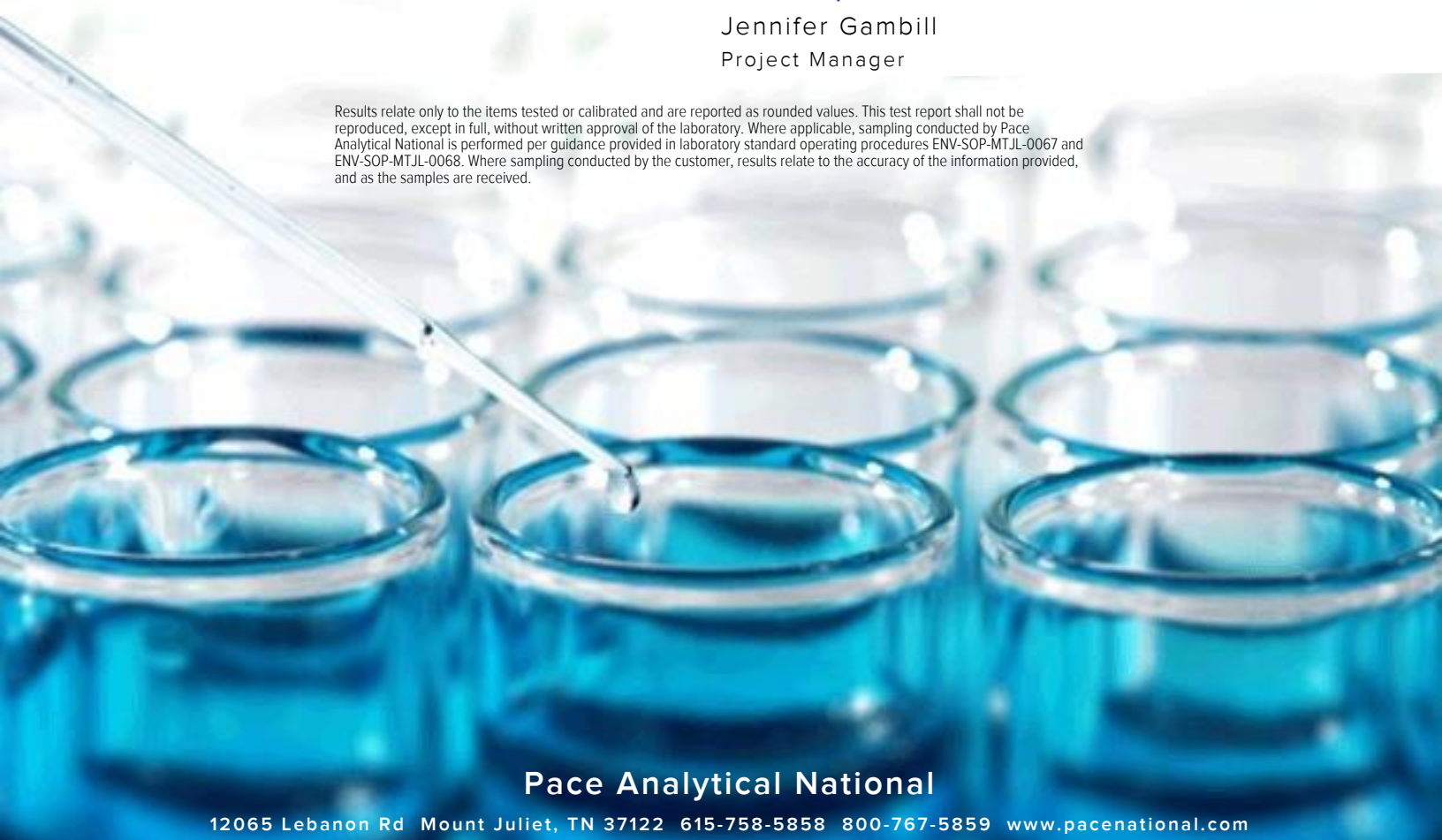
Earthstone Operating, LLC - Midland, TX

Sample Delivery Group: L1580317
 Samples Received: 01/28/2023
 Project Number: 236769
 Description: Bodacious 5 32 #4H
 Site: EDDY COUNTY, NM
 Report To: Chris Martin
 600 N. Marienfeld
 Suite 1000
 Midland, TX 79701

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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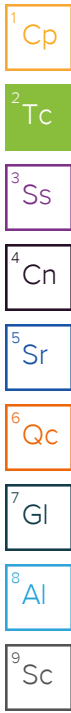
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TP-1 (0-1) L1580317-01 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 02:52	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997772	1	01/31/23 13:29	02/03/23 09:21	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 18:05	JAS	Mt. Juliet, TN

1 Cp
 2 Tc
 3 Ss
 4 Cn
 5 Sr
 6 Qc
 7 Gl
 8 Al
 9 Sc

TP-1 (1-1.5) L1580317-02 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 03:02	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997772	1	01/31/23 13:29	02/03/23 09:43	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 18:29	JAS	Mt. Juliet, TN

TP-1 (2-2.5) L1580317-03 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 03:11	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997772	1	01/31/23 13:29	02/03/23 10:05	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 15:24	JAS	Mt. Juliet, TN

TP-1 (3-3.5) L1580317-04 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 03:30	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997772	1	01/31/23 13:29	02/03/23 10:28	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2000568	1	02/06/23 18:22	02/07/23 00:39	JAS	Mt. Juliet, TN

TP-1 (4-4.5) L1580317-05 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 03:59	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997772	1	01/31/23 13:29	02/03/23 10:50	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/02/23 10:49	JAS	Mt. Juliet, TN

TP-1 (5-5.5) L1580317-06 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 04:08	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 13:29	02/01/23 17:07	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 16:50	JAS	Mt. Juliet, TN

TP-1 (6-6.5) L1580317-07 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 04:18	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 13:29	02/01/23 17:30	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 16:38	JAS	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

TP-2 (0-1) L1580317-08 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 04:28	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 13:29	02/01/23 17:52	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 19:06	JAS	Mt. Juliet, TN

TP-2 (1-1.5) L1580317-09 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 04:37	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 13:29	02/01/23 18:15	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 17:40	JAS	Mt. Juliet, TN

TP-2 (2-2.5) L1580317-10 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996740	1	01/31/23 06:58	01/31/23 07:04	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997677	1	02/01/23 23:00	02/02/23 04:47	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 13:29	02/01/23 18:37	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 15:49	JAS	Mt. Juliet, TN

TP-2 (3-3.5) L1580317-11 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 19:06	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 13:29	02/01/23 19:00	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 19:19	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	10	02/01/23 06:45	02/02/23 11:26	JAS	Mt. Juliet, TN

TP-2 (4-4.5) L1580317-12 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 19:15	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 13:29	02/01/23 19:22	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 16:01	JAS	Mt. Juliet, TN

TP-3 (0-1) L1580317-13 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 19:24	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 16:04	02/01/23 19:45	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 18:17	JAS	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

TP-3 (1-1.5) L1580317-14 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 20:03	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 16:04	02/01/23 20:07	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 17:03	JAS	Mt. Juliet, TN

TP-3 (2-2.5) L1580317-15 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 20:31	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1.01	01/31/23 16:04	02/01/23 20:30	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 17:15	JAS	Mt. Juliet, TN

TP-3 (3-3.5) L1580317-16 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 20:41	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1.01	01/31/23 16:04	02/01/23 20:52	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 16:13	JAS	Mt. Juliet, TN

TP-3 (4-4.5) L1580317-17 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 20:50	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 16:04	02/01/23 21:15	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997282	1	02/01/23 06:45	02/01/23 16:26	JAS	Mt. Juliet, TN

H-1 L1580317-18 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 21:00	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1.01	01/31/23 16:04	02/01/23 21:37	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997283	1	02/01/23 06:43	02/01/23 15:24	JAS	Mt. Juliet, TN

H-2 L1580317-19 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 21:10	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1.01	01/31/23 16:04	02/01/23 22:00	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997283	1	02/01/23 06:43	02/01/23 15:36	JAS	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

H-3 L1580317-20 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996741	1	01/31/23 06:49	01/31/23 06:56	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 21:19	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1.01	01/31/23 16:04	02/01/23 22:22	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997283	1	02/01/23 06:43	02/01/23 15:49	JAS	Mt. Juliet, TN

H-4 L1580317-21 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996742	1	01/31/23 06:39	01/31/23 06:47	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 21:29	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 16:04	02/01/23 22:45	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997283	1	02/01/23 06:43	02/01/23 18:05	JAS	Mt. Juliet, TN

H-5 L1580317-22 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996742	1	01/31/23 06:39	01/31/23 06:47	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 21:38	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 16:04	02/01/23 23:07	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997283	1	02/01/23 06:43	02/01/23 16:38	JAS	Mt. Juliet, TN

H-6 L1580317-23 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996742	1	01/31/23 06:39	01/31/23 06:47	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 21:48	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 16:04	02/01/23 23:30	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997283	1	02/01/23 06:43	02/01/23 17:28	JAS	Mt. Juliet, TN

H-7 L1580317-24 Solid

Collected by Ethan Sessums
 Collected date/time 01/26/23 00:00
 Received date/time 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996742	1	01/31/23 06:39	01/31/23 06:47	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 22:30	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1997783	1	01/31/23 16:04	02/01/23 23:52	BAM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997283	1	02/01/23 06:43	02/01/23 16:01	JAS	Mt. Juliet, TN

H-8 L1580317-25 Solid

Collected by: Ethan Sessums
Collected date/time: 01/26/23 00:00
Received date/time: 01/28/23 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1996742	1	01/31/23 06:39	01/31/23 06:47	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1997681	1	02/02/23 15:55	02/02/23 22:40	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1997783	1	01/31/23 16:04	02/02/23 00:15	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021	WG2000007	1	01/31/23 16:04	02/05/23 21:05	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1997283	1	02/01/23 06:43	02/01/23 17:15	JAS	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Gambill
Project Manager

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Report Revision History

Level II Report - Version 1: 02/07/23 16:19

Project Narrative

The following report has been revised to report Chloride by method 300.

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	81.9		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	1030		24.4	1	02/02/2023 02:52	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	0.00226	J3	0.000610	1	02/03/2023 09:21	WG1997772
Toluene	ND	J3	0.00610	1	02/03/2023 09:21	WG1997772
Ethylbenzene	ND		0.000610	1	02/03/2023 09:21	WG1997772
Total Xylene	ND	J3	0.00183	1	02/03/2023 09:21	WG1997772
TPH (GC/FID) Low Fraction	ND		0.122	1	02/03/2023 09:21	WG1997772
(S) a,a,a-Trifluorotoluene(FID)	102		77.0-120		02/03/2023 09:21	WG1997772
(S) a,a,a-Trifluorotoluene(PID)	99.8		72.0-128		02/03/2023 09:21	WG1997772

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	7.79		4.88	1	02/01/2023 18:05	WG1997282
C28-C36 Motor Oil Range	25.1		4.88	1	02/01/2023 18:05	WG1997282
(S) o-Terphenyl	55.7		18.0-148		02/01/2023 18:05	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	84.3		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	148		23.7	1	02/02/2023 03:02	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000593	1	02/03/2023 09:43	WG1997772
Toluene	ND		0.00593	1	02/03/2023 09:43	WG1997772
Ethylbenzene	ND		0.000593	1	02/03/2023 09:43	WG1997772
Total Xylene	ND		0.00178	1	02/03/2023 09:43	WG1997772
TPH (GC/FID) Low Fraction	ND		0.119	1	02/03/2023 09:43	WG1997772
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		02/03/2023 09:43	WG1997772
(S) a,a,a-Trifluorotoluene(PID)	100		72.0-128		02/03/2023 09:43	WG1997772

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	16.8	J6	4.75	1	02/01/2023 18:29	WG1997282
C28-C36 Motor Oil Range	36.1		4.75	1	02/01/2023 18:29	WG1997282
(S) o-Terphenyl	70.7		18.0-148		02/01/2023 18:29	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	75.5		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	81.9		26.5	1	02/02/2023 03:11	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000663	1	02/03/2023 10:05	WG1997772
Toluene	ND		0.00663	1	02/03/2023 10:05	WG1997772
Ethylbenzene	ND		0.000663	1	02/03/2023 10:05	WG1997772
Total Xylene	ND		0.00199	1	02/03/2023 10:05	WG1997772
TPH (GC/FID) Low Fraction	ND		0.133	1	02/03/2023 10:05	WG1997772
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		02/03/2023 10:05	WG1997772
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		02/03/2023 10:05	WG1997772

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		5.30	1	02/01/2023 15:24	WG1997282
C28-C36 Motor Oil Range	ND		5.30	1	02/01/2023 15:24	WG1997282
(S) o-Terphenyl	73.4		18.0-148		02/01/2023 15:24	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	86.5		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	83.4		23.1	1	02/02/2023 03:30	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000578	1	02/03/2023 10:28	WG1997772
Toluene	ND		0.00578	1	02/03/2023 10:28	WG1997772
Ethylbenzene	ND		0.000578	1	02/03/2023 10:28	WG1997772
Total Xylene	ND		0.00173	1	02/03/2023 10:28	WG1997772
TPH (GC/FID) Low Fraction	ND		0.116	1	02/03/2023 10:28	WG1997772
(S) a,a,a-Trifluorotoluene(FID)	102		77.0-120		02/03/2023 10:28	WG1997772
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		02/03/2023 10:28	WG1997772

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.62	1	02/07/2023 00:39	WG2000568
C28-C36 Motor Oil Range	ND		4.62	1	02/07/2023 00:39	WG2000568
(S) o-Terphenyl	54.6		18.0-148		02/07/2023 00:39	WG2000568

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	88.6		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	203		22.6	1	02/02/2023 03:59	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000565	1	02/03/2023 10:50	WG1997772
Toluene	ND		0.00565	1	02/03/2023 10:50	WG1997772
Ethylbenzene	ND		0.000565	1	02/03/2023 10:50	WG1997772
Total Xylene	ND		0.00169	1	02/03/2023 10:50	WG1997772
TPH (GC/FID) Low Fraction	ND		0.113	1	02/03/2023 10:50	WG1997772
(S) a,a,a-Trifluorotoluene(FID)	102		77.0-120		02/03/2023 10:50	WG1997772
(S) a,a,a-Trifluorotoluene(PID)	100		72.0-128		02/03/2023 10:50	WG1997772

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.52	1	02/02/2023 10:49	WG1997282
C28-C36 Motor Oil Range	ND		4.52	1	02/02/2023 10:49	WG1997282
(S) o-Terphenyl	65.9		18.0-148		02/02/2023 10:49	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	87.9		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	199		22.8	1	02/02/2023 04:08	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000569	1	02/01/2023 17:07	WG1997783
Toluene	ND		0.00569	1	02/01/2023 17:07	WG1997783
Ethylbenzene	ND		0.000569	1	02/01/2023 17:07	WG1997783
Total Xylene	ND		0.00171	1	02/01/2023 17:07	WG1997783
TPH (GC/FID) Low Fraction	ND		0.114	1	02/01/2023 17:07	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 17:07	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 17:07	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.55	1	02/01/2023 16:50	WG1997282
C28-C36 Motor Oil Range	4.79	<u>B</u>	4.55	1	02/01/2023 16:50	WG1997282
(S) o-Terphenyl	75.5		18.0-148		02/01/2023 16:50	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	91.8		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	191		21.8	1	02/02/2023 04:18	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000545	1	02/01/2023 17:30	WG1997783
Toluene	ND		0.00545	1	02/01/2023 17:30	WG1997783
Ethylbenzene	ND		0.000545	1	02/01/2023 17:30	WG1997783
Total Xylene	ND		0.00163	1	02/01/2023 17:30	WG1997783
TPH (GC/FID) Low Fraction	ND		0.109	1	02/01/2023 17:30	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 17:30	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 17:30	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.36	1	02/01/2023 16:38	WG1997282
C28-C36 Motor Oil Range	ND		4.36	1	02/01/2023 16:38	WG1997282
(S) o-Terphenyl	83.4		18.0-148		02/01/2023 16:38	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.8		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	142		25.4	1	02/02/2023 04:28	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.000938		0.000635	1	02/01/2023 17:52	WG1997783
Toluene	ND		0.00635	1	02/01/2023 17:52	WG1997783
Ethylbenzene	ND		0.000635	1	02/01/2023 17:52	WG1997783
Total Xylene	ND		0.00190	1	02/01/2023 17:52	WG1997783
TPH (GC/FID) Low Fraction	ND		0.127	1	02/01/2023 17:52	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 17:52	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 17:52	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	6.30		5.08	1	02/01/2023 19:06	WG1997282
C28-C36 Motor Oil Range	17.3		5.08	1	02/01/2023 19:06	WG1997282
(S) o-Terphenyl	65.1		18.0-148		02/01/2023 19:06	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	90.3		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	ND		22.1	1	02/02/2023 04:37	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000554	1	02/01/2023 18:15	WG1997783
Toluene	ND		0.00554	1	02/01/2023 18:15	WG1997783
Ethylbenzene	ND		0.000554	1	02/01/2023 18:15	WG1997783
Total Xylene	ND		0.00166	1	02/01/2023 18:15	WG1997783
TPH (GC/FID) Low Fraction	ND		0.111	1	02/01/2023 18:15	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 18:15	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 18:15	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	6.09		4.43	1	02/01/2023 17:40	WG1997282
C28-C36 Motor Oil Range	15.2		4.43	1	02/01/2023 17:40	WG1997282
(S) o-Terphenyl	82.0		18.0-148		02/01/2023 17:40	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	90.0		1	01/31/2023 07:04	WG1996740

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	33.5		22.2	1	02/02/2023 04:47	WG1997677

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000555	1	02/01/2023 18:37	WG1997783
Toluene	ND		0.00555	1	02/01/2023 18:37	WG1997783
Ethylbenzene	ND		0.000555	1	02/01/2023 18:37	WG1997783
Total Xylene	ND		0.00167	1	02/01/2023 18:37	WG1997783
TPH (GC/FID) Low Fraction	ND		0.111	1	02/01/2023 18:37	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 18:37	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 18:37	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.44	1	02/01/2023 15:49	WG1997282
C28-C36 Motor Oil Range	5.07		4.44	1	02/01/2023 15:49	WG1997282
(S) o-Terphenyl	70.0		18.0-148		02/01/2023 15:49	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	89.5		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	823		22.3	1	02/02/2023 19:06	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000558	1	02/01/2023 19:00	WG1997783
Toluene	ND		0.00558	1	02/01/2023 19:00	WG1997783
Ethylbenzene	ND		0.000558	1	02/01/2023 19:00	WG1997783
Total Xylene	ND		0.00168	1	02/01/2023 19:00	WG1997783
TPH (GC/FID) Low Fraction	ND		0.112	1	02/01/2023 19:00	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		02/01/2023 19:00	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		02/01/2023 19:00	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	252		4.47	1	02/01/2023 19:19	WG1997282
C28-C36 Motor Oil Range	478		44.7	10	02/02/2023 11:26	WG1997282
(S) o-Terphenyl	71.9		18.0-148		02/01/2023 19:19	WG1997282
(S) o-Terphenyl	48.3		18.0-148		02/02/2023 11:26	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	94.9		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	31.5		21.1	1	02/02/2023 19:15	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000527	1	02/01/2023 19:22	WG1997783
Toluene	ND		0.00527	1	02/01/2023 19:22	WG1997783
Ethylbenzene	ND		0.000527	1	02/01/2023 19:22	WG1997783
Total Xylene	ND		0.00158	1	02/01/2023 19:22	WG1997783
TPH (GC/FID) Low Fraction	ND		0.105	1	02/01/2023 19:22	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 19:22	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	103		72.0-128		02/01/2023 19:22	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.21	1	02/01/2023 16:01	WG1997282
C28-C36 Motor Oil Range	6.05		4.21	1	02/01/2023 16:01	WG1997282
(S) o-Terphenyl	82.4		18.0-148		02/01/2023 16:01	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	88.6		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	264		22.6	1	02/02/2023 19:24	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000564	1	02/01/2023 19:45	WG1997783
Toluene	ND		0.00564	1	02/01/2023 19:45	WG1997783
Ethylbenzene	ND		0.000564	1	02/01/2023 19:45	WG1997783
Total Xylene	ND		0.00169	1	02/01/2023 19:45	WG1997783
TPH (GC/FID) Low Fraction	ND		0.113	1	02/01/2023 19:45	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 19:45	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 19:45	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.52	1	02/01/2023 18:17	WG1997282
C28-C36 Motor Oil Range	18.3		4.52	1	02/01/2023 18:17	WG1997282
(S) o-Terphenyl	80.0		18.0-148		02/01/2023 18:17	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	87.9		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	74.9		22.8	1	02/02/2023 20:03	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000569	1	02/01/2023 20:07	WG1997783
Toluene	ND		0.000569	1	02/01/2023 20:07	WG1997783
Ethylbenzene	ND		0.000569	1	02/01/2023 20:07	WG1997783
Total Xylene	ND		0.00171	1	02/01/2023 20:07	WG1997783
TPH (GC/FID) Low Fraction	ND		0.114	1	02/01/2023 20:07	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 20:07	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 20:07	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	4.70		4.55	1	02/01/2023 17:03	WG1997282
C28-C36 Motor Oil Range	15.2		4.55	1	02/01/2023 17:03	WG1997282
(S) o-Terphenyl	72.9		18.0-148		02/01/2023 17:03	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	89.2		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	76.7		22.4	1	02/02/2023 20:31	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000566	1.01	02/01/2023 20:30	WG1997783
Toluene	ND		0.00566	1.01	02/01/2023 20:30	WG1997783
Ethylbenzene	ND		0.000566	1.01	02/01/2023 20:30	WG1997783
Total Xylene	ND		0.00170	1.01	02/01/2023 20:30	WG1997783
TPH (GC/FID) Low Fraction	ND		0.113	1.01	02/01/2023 20:30	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		02/01/2023 20:30	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 20:30	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	5.08		4.49	1	02/01/2023 17:15	WG1997282
C28-C36 Motor Oil Range	11.1		4.49	1	02/01/2023 17:15	WG1997282
(S) o-Terphenyl	81.8		18.0-148		02/01/2023 17:15	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	89.1		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	ND		22.4	1	02/02/2023 20:41	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000567	1.01	02/01/2023 20:52	WG1997783
Toluene	ND		0.00567	1.01	02/01/2023 20:52	WG1997783
Ethylbenzene	ND		0.000567	1.01	02/01/2023 20:52	WG1997783
Total Xylene	ND		0.00171	1.01	02/01/2023 20:52	WG1997783
TPH (GC/FID) Low Fraction	ND		0.113	1.01	02/01/2023 20:52	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		02/01/2023 20:52	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 20:52	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.49	1	02/01/2023 16:13	WG1997282
C28-C36 Motor Oil Range	7.24		4.49	1	02/01/2023 16:13	WG1997282
(S) o-Terphenyl	66.8		18.0-148		02/01/2023 16:13	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	89.4		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	64.9		22.4	1	02/02/2023 20:50	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000559	1	02/01/2023 21:15	WG1997783
Toluene	ND		0.00559	1	02/01/2023 21:15	WG1997783
Ethylbenzene	ND		0.000559	1	02/01/2023 21:15	WG1997783
Total Xylene	ND		0.00168	1	02/01/2023 21:15	WG1997783
TPH (GC/FID) Low Fraction	ND		0.112	1	02/01/2023 21:15	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 21:15	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 21:15	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.48	1	02/01/2023 16:26	WG1997282
C28-C36 Motor Oil Range	ND		4.48	1	02/01/2023 16:26	WG1997282
(S) o-Terphenyl	71.7		18.0-148		02/01/2023 16:26	WG1997282

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	81.3		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	ND		24.6	1	02/02/2023 21:00	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000621	1.01	02/01/2023 21:37	WG1997783
Toluene	ND		0.00621	1.01	02/01/2023 21:37	WG1997783
Ethylbenzene	ND		0.000621	1.01	02/01/2023 21:37	WG1997783
Total Xylene	ND		0.00187	1.01	02/01/2023 21:37	WG1997783
TPH (GC/FID) Low Fraction	ND		0.124	1.01	02/01/2023 21:37	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	106		77.0-120		02/01/2023 21:37	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 21:37	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	5.17		4.92	1	02/01/2023 15:24	WG1997283
C28-C36 Motor Oil Range	7.44		4.92	1	02/01/2023 15:24	WG1997283
(S) o-Terphenyl	62.6		18.0-148		02/01/2023 15:24	WG1997283

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	95.7		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	ND		20.9	1	02/02/2023 21:10	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000528	1.01	02/01/2023 22:00	WG1997783
Toluene	ND		0.00528	1.01	02/01/2023 22:00	WG1997783
Ethylbenzene	ND		0.000528	1.01	02/01/2023 22:00	WG1997783
Total Xylene	ND		0.00159	1.01	02/01/2023 22:00	WG1997783
TPH (GC/FID) Low Fraction	ND		0.106	1.01	02/01/2023 22:00	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 22:00	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		02/01/2023 22:00	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.18	1	02/01/2023 15:36	WG1997283
C28-C36 Motor Oil Range	ND		4.18	1	02/01/2023 15:36	WG1997283
(S) o-Terphenyl	71.1		18.0-148		02/01/2023 15:36	WG1997283

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	89.9		1	01/31/2023 06:56	WG1996741

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	32.2		22.3	1	02/02/2023 21:19	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000562	1.01	02/01/2023 22:22	WG1997783
Toluene	ND		0.00562	1.01	02/01/2023 22:22	WG1997783
Ethylbenzene	ND		0.000562	1.01	02/01/2023 22:22	WG1997783
Total Xylene	ND		0.00169	1.01	02/01/2023 22:22	WG1997783
TPH (GC/FID) Low Fraction	ND		0.112	1.01	02/01/2023 22:22	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 22:22	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 22:22	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	6.76		4.45	1	02/01/2023 15:49	WG1997283
C28-C36 Motor Oil Range	8.90		4.45	1	02/01/2023 15:49	WG1997283
(S) o-Terphenyl	62.8		18.0-148		02/01/2023 15:49	WG1997283

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	77.8		1	01/31/2023 06:47	WG1996742

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	ND		25.7	1	02/02/2023 21:29	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000643	1	02/01/2023 22:45	WG1997783
Toluene	ND		0.00643	1	02/01/2023 22:45	WG1997783
Ethylbenzene	ND		0.000643	1	02/01/2023 22:45	WG1997783
Total Xylene	ND		0.00193	1	02/01/2023 22:45	WG1997783
TPH (GC/FID) Low Fraction	ND		0.129	1	02/01/2023 22:45	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		02/01/2023 22:45	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 22:45	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		5.14	1	02/01/2023 18:05	WG1997283
C28-C36 Motor Oil Range	14.5		5.14	1	02/01/2023 18:05	WG1997283
(S) o-Terphenyl	65.9		18.0-148		02/01/2023 18:05	WG1997283

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	95.0		1	01/31/2023 06:47	WG1996742

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	260		21.0	1	02/02/2023 21:38	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000526	1	02/01/2023 23:07	WG1997783
Toluene	ND		0.00526	1	02/01/2023 23:07	WG1997783
Ethylbenzene	ND		0.000526	1	02/01/2023 23:07	WG1997783
Total Xylene	ND		0.00158	1	02/01/2023 23:07	WG1997783
TPH (GC/FID) Low Fraction	ND		0.105	1	02/01/2023 23:07	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/01/2023 23:07	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	102		72.0-128		02/01/2023 23:07	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		4.21	1	02/01/2023 16:38	WG1997283
C28-C36 Motor Oil Range	5.40		4.21	1	02/01/2023 16:38	WG1997283
(S) o-Terphenyl	68.0		18.0-148		02/01/2023 16:38	WG1997283

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	75.5		1	01/31/2023 06:47	WG1996742

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	ND		26.5	1	02/02/2023 21:48	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000662	1	02/01/2023 23:30	WG1997783
Toluene	ND		0.00662	1	02/01/2023 23:30	WG1997783
Ethylbenzene	ND		0.000662	1	02/01/2023 23:30	WG1997783
Total Xylene	ND		0.00199	1	02/01/2023 23:30	WG1997783
TPH (GC/FID) Low Fraction	ND		0.132	1	02/01/2023 23:30	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		02/01/2023 23:30	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	110		72.0-128		02/01/2023 23:30	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	6.94		5.30	1	02/01/2023 17:28	WG1997283
C28-C36 Motor Oil Range	13.8		5.30	1	02/01/2023 17:28	WG1997283
(S) o-Terphenyl	61.3		18.0-148		02/01/2023 17:28	WG1997283

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	76.6		1	01/31/2023 06:47	WG1996742

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	ND		26.1	1	02/02/2023 22:30	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000653	1	02/01/2023 23:52	WG1997783
Toluene	ND		0.00653	1	02/01/2023 23:52	WG1997783
Ethylbenzene	ND		0.000653	1	02/01/2023 23:52	WG1997783
Total Xylene	ND		0.00196	1	02/01/2023 23:52	WG1997783
TPH (GC/FID) Low Fraction	ND		0.131	1	02/01/2023 23:52	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	106		77.0-120		02/01/2023 23:52	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	103		72.0-128		02/01/2023 23:52	WG1997783

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	ND		5.22	1	02/01/2023 16:01	WG1997283
C28-C36 Motor Oil Range	ND		5.22	1	02/01/2023 16:01	WG1997283
(S) o-Terphenyl	63.5		18.0-148		02/01/2023 16:01	WG1997283

Collected date/time: 01/26/23 00:00

L1580317

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	88.8		1	01/31/2023 06:47	WG1996742

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	ND		22.5	1	02/02/2023 22:40	WG1997681

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	ND		0.000563	1	02/05/2023 21:05	WG2000007
Toluene	ND		0.00563	1	02/05/2023 21:05	WG2000007
Ethylbenzene	ND		0.000563	1	02/05/2023 21:05	WG2000007
Total Xylene	ND		0.00169	1	02/05/2023 21:05	WG2000007
TPH (GC/FID) Low Fraction	ND		0.113	1	02/02/2023 00:15	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		02/02/2023 00:15	WG1997783
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		02/05/2023 21:05	WG2000007
(S) a,a,a-Trifluorotoluene(PID)	103		72.0-128		02/02/2023 00:15	WG1997783
(S) a,a,a-Trifluorotoluene(PID)	100		72.0-128		02/05/2023 21:05	WG2000007

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	11.6		4.50	1	02/01/2023 17:15	WG1997283
C28-C36 Motor Oil Range	18.5		4.50	1	02/01/2023 17:15	WG1997283
(S) o-Terphenyl	66.4		18.0-148		02/01/2023 17:15	WG1997283

Total Solids by Method 2540 G-2011

[L1580317-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3886142-1 01/31/23 07:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

1 Cp

2 Tc

3 Ss

L1580317-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1580317-04 01/31/23 07:04 • (DUP) R3886142-3 01/31/23 07:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	86.5	84.6	1	2.23		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R3886142-2 01/31/23 07:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L1580317-11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3886141-1 01/31/23 06:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1580317-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1580317-14 01/31/23 06:56 • (DUP) R3886141-3 01/31/23 06:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	87.9	87.7	1	0.216		10

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3886141-2 01/31/23 06:56

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L1580317-21,22,23,24,25](#)

Method Blank (MB)

(MB) R3886139-1 01/31/23 06:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00300			

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1580317-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1580317-24 01/31/23 06:47 • (DUP) R3886139-3 01/31/23 06:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	76.6	74.1	1	3.34		10

Laboratory Control Sample (LCS)

(LCS) R3886139-2 01/31/23 06:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Volatile Organic Compounds (GC) by Method 8015/8021

[L1580317-01,02,03,04,05](#)

Method Blank (MB)

(MB) R3887617-3 02/03/23 01:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000426	U	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3887617-1 02/03/23 00:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Benzene	0.0500	0.0510	102	76.0-121	
Toluene	0.0500	0.0556	111	80.0-120	
Ethylbenzene	0.0500	0.0552	110	80.0-124	
Total Xylene	0.150	0.145	96.7	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			102	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			101	72.0-128	

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3887617-2 02/03/23 00:52

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
TPH (GC/FID) Low Fraction	5.50	4.57	83.1	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			104	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			99.3	72.0-128	

Volatile Organic Compounds (GC) by Method 8015/8021

[L1580317-01,02,03,04,05](#)

L1580317-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1580317-01 02/03/23 09:21 • (MS) R3887617-4 02/03/23 11:13 • (MSD) R3887617-5 02/03/23 12:10

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0610	0.00226	0.0454	0.0674	70.7	107	1	10.0-155		J3	39.0	32
Toluene	0.0610	ND	0.0453	0.0646	70.6	102	1	10.0-160		J3	35.1	34
Ethylbenzene	0.0610	ND	0.0399	0.0516	64.9	84.1	1	10.0-160			25.6	32
Total Xylene	0.183	ND	0.0942	0.138	51.0	74.9	1	10.0-160		J3	37.6	32
(S) a,a,a-Trifluorotoluene(FID)					102	104		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					99.9	111		72.0-128				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

L1580317-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1580317-01 02/03/23 09:21 • (MS) R3887617-6 02/03/23 12:43 • (MSD) R3887617-7 02/03/23 14:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	6.65	ND	5.07	5.72	75.3	84.5	1	10.0-151			12.2	28
(S) a,a,a-Trifluorotoluene(FID)					108	108		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					102	104		72.0-128				

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015/8021

[L1580317-06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25](#)

Method Blank (MB)

(MB) R3887449-3 02/01/23 16:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000456	U	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	103			72.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3887449-1 02/01/23 15:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Benzene	0.0500	0.0477	95.4	76.0-121	
Toluene	0.0500	0.0524	105	80.0-120	
Ethylbenzene	0.0500	0.0525	105	80.0-124	
Total Xylene	0.150	0.135	90.0	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			105	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			103	72.0-128	

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3887449-2 02/01/23 15:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
TPH (GC/FID) Low Fraction	5.50	5.47	99.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			104	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			101	72.0-128	

Volatile Organic Compounds (GC) by Method 8021

L1580317-25

Method Blank (MB)

(MB) R3887781-3 02/05/23 20:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000422	J	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R3887781-1 02/05/23 19:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0436	87.2	76.0-121	
Toluene	0.0500	0.0471	94.2	80.0-120	
Ethylbenzene	0.0500	0.0471	94.2	80.0-124	
Total Xylene	0.150	0.120	80.0	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			103	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			102	72.0-128	

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

[L1580317-01,02,03,05,06,07,08,09,10,11,12,13,14,15,16,17](#)

Method Blank (MB)

(MB) R3886668-1 02/01/23 14:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.443	J	0.274	4.00
(S) o-Terphenyl	96.4			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3886668-2 02/01/23 15:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	41.9	83.8	50.0-150	
(S) o-Terphenyl			102	18.0-148	

L1580317-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1580317-02 02/01/23 18:29 • (MS) R3886668-3 02/01/23 18:42 • (MSD) R3886668-4 02/01/23 18:54

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	57.3	16.8	43.7	51.8	46.8	61.1	1	50.0-150	J6		17.1	20
(S) o-Terphenyl					70.3	73.3		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

[L1580317-18,19,20,21,22,23,24,25](#)

Method Blank (MB)

(MB) R3886667-1 02/01/23 14:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	74.0			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3886667-2 02/01/23 15:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	30.3	60.6	50.0-150	
(S) o-Terphenyl			74.0	18.0-148	

L1580317-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1580317-22 02/01/23 16:38 • (MS) R3886667-3 02/01/23 16:50 • (MSD) R3886667-4 02/01/23 17:03

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	49.6	ND	29.7	34.8	54.1	64.3	1	50.0-150			16.0	20
(S) o-Terphenyl					66.6	71.3		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

L1580317-04

Method Blank (MB)

(MB) R3888112-2 02/07/23 00:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.724	J	0.274	4.00
(S) o-Terphenyl	71.8			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3888112-1 02/07/23 00:15

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	38.8	77.6	50.0-150	
(S) o-Terphenyl			83.0	18.0-148	

L1580322-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1580322-16 02/07/23 02:30 • (MS) R3888112-3 02/07/23 02:42 • (MSD) R3888112-4 02/07/23 02:55

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	62.4	ND	37.7	36.2	56.8	54.8	1	50.0-150			4.05	20
(S) o-Terphenyl					59.8	53.2		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

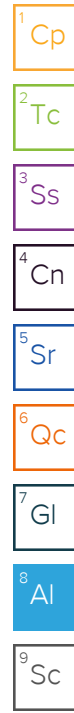
7 Gl

8 Al

9 Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		



¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Sample Receipt Checklist

COC Seal Present/Intact: Y N If Applicable
 COC Signed/Accurate: Y N VOA Zero Headspace: Y N
 Bottles arrive intact: Y N Pres. Correct/Check: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 RAD Screen <0.5 mR/hr: Y N

of Custody

B127

Work Order No: _____

4580317

Page 1 of 3

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

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

Project Name:	Bodacious 5 32 #4H		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes					
Project Number:	236769		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush												None: NO	DI Water: H ₂ O				
Project Location:	Eddy County, NM		Due Date:		Parameters											Cool: Cool	MeOH: Me				
Sampler's Name:	Ethan Sessums		TAT starts the day received by the lab, if received by 4:30pm													HCL: HC	HNO ₃ : HN				
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na				
SAMPLE RECEIPT			Temp Blank:	Yes No		Wet Ice:	Yes No											H ₃ PO ₄ : HP			
Received Intact:	Yes	No	Thermometer ID:													NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:												Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:												Zn Acetate+NaOH: Zn					
Total Containers:	25		Corrected Temperature:												NaOH+Ascorbic Acid: SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											HOLD	Sample Comments
TP-1 (0-1')	1/26/2023		x		Grab/	1	x	x	x												-01
TP-1 (1-1.5')	1/26/2023		x		Grab/	1	x	x	x												-02
TP-1 (2-2.5')	1/26/2023		x		Grab/	1	x	x	x												-03
TP-1 (3-3.5')	1/26/2023		x		Grab/	1	x	x	x												-04
TP-1 (4-4.5')	1/26/2023		x		Grab/	1	x	x	x												-05
TP-1 (5-5.5')	1/26/2023		x		Grab/	1	x	x	x												-06
TP-1 (6-6.5')	1/26/2023		x		Grab/	1	x	x	x												-07
TP-2 (0-1')	1/26/2023		x		Grab/	1	x	x	x												-08
TP-2 (1-1.5')	1/26/2023		x		Grab/	1	x	x	x												-09
TP-2 (2-2.5')	1/26/2023		x		Grab/	1	x	x	x												-10

Additional Comments:

Billing Code: EAROPEMTX

Ignore Sample Jar "Permian"

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	1/27/23 10:58	<i>[Signature]</i>	Southwest	1/28/23 9:15

Chain of Custody



Work Order No: _____

LF580317
Page 2 of 3

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes				
Project Number:		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														
Project Location:		Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD									None: NO DI Water: H ₂ O	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool MeOH: Me	
PO #:																	HCL: HC HNO ₃ : HN	
SAMPLE RECEIPT		Temp Blank:															H ₂ S ₄ : H ₂ NaOH: Na	
Received Intact:		Yes No															H ₃ PO ₄ : HP	
Cooler Custody Seals:		Yes No N/A															NaHSO ₄ : NABIS	
Sample Custody Seals:		Yes No N/A															Na ₂ S ₂ O ₃ : NaSO ₃	
Total Containers:		25															Zn Acetate+NaOH: Zn	
		Thermometer ID:															NaOH+Ascorbic Acid: SAPC	
		Correction Factor:															Sample Comments	
		Temperature Reading:																
		Corrected Temperature:																
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											
TP-2 (3-3.5')	1/26/2023			x		Grab	1	x	x	x							-11	
TP-2 (4-4.5')	1/26/2023			x		Grab	1	x	x	x							-12	
TP-3 (0-1')	1/26/2023			x		Grab	1	x	x	x							-13	
TP-3 (1-1.5')	1/26/2023			x		Grab	1	x	x	x							-14	
TP-3 (2-2.5')	1/26/2023			x		Grab	1	x	x	x							-15	
TP-3 (3-3.5')	1/26/2023			x		Grab	1	x	x	x							-16	
TP-3 (4-4.5')	1/26/2023			x		Grab	1	x	x	x							-17	
H-1	1/26/2023			x		Grab	1	x	x	x							-18	
H-2	1/26/2023			x		Grab	1	x	x	x							-19	
H-3	1/26/2023			x		Grab	1	x	x	x							-20	

Additional Comments: Billing Code: EAROPEMTX

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	1/27/23 10:50	<i>[Signature]</i>	<i>[Signature]</i>	1-28-23 8:15

Chain of Custody



Work Order No: _____

LF80317

Page 3 of 3

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

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

Project Name: Bodacious 5 32 #4H		Turn Around		Parameters	ANALYSIS REQUEST										Preservative Codes					
Project Number:	236769	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		Pres. Code											None: NO	DI Water: H ₂ O			
Project Location:	Eddy County, NM	Due Date:			BTEX 8021B TPH 8015M (GRO + DRO + MIRO) Chloride 4500											Cool: Cool	MeOH: Me			
Sampler's Name:	Ethan Sessums	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN			
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes No			Wet Ice:	Yes No											H ₃ PO ₄ : HP		
Received Intact:	Yes No	Thermometer ID:														NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes No N/A	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes No N/A	Temperature Reading:														Zn Acetate+NaOH: Zn				
Total Containers:	25	Corrected Temperature:														NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water		Grab/ Comp	# of Cont											Sample Comments		
H-4	1/26/2023		x			Grab/	1	x	x	x										
H-5	1/26/2023		x		Grab/	1	x	x	x											-22
H-6	1/26/2023		x		Grab/	1	x	x	x											-23
H-7	1/26/2023		x		Grab/	1	x	x	x											-24
H-8	1/26/2023		x		Grab/	1	x	x	x											-25

Additional Comments:	Billing Code: EAROPEMTX
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[Signature]	[Signature]	1/27/23 10:58	[Signature]	[Signature]	
					1-28-23 8:15

Tracking Numbers		Temperature
		VFA 7.4 to 23A
		GBAC 0.9 to 20.8
		GBAC 1.5 to 21.8

1580317



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gordon Banks
NT Global

701 Tradewinds Blvd
Midland, Texas 79706

Generated 3/14/2023 5:43:12 PM

JOB DESCRIPTION

Bodacious 5 32 Fed
SDG NUMBER 236769

JOB NUMBER

890-4212-1

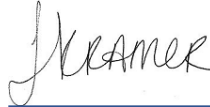


Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
3/14/2023 5:43:12 PM

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

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Laboratory Job ID: 890-4212-1
SDG: 236769

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Definitions/Glossary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
S1-	Surrogate recovery exceeds control limits, low biased.
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.
α	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: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

Job ID: 890-4212-1**Laboratory: Eurofins Carlsbad****Narrative**

Job Narrative
890-4212-1

Receipt

The samples were received on 2/28/2023 4:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 24.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (4) (890-4212-1), CS-2 (3) (890-4212-2), CS-3 (3) (890-4212-3), CS-4 (3) (890-4212-4), CS-5 (3) (890-4212-5), CS-6 (3) (890-4212-6), CS-7 (3) (890-4212-7), CS-8 (3) (890-4212-8), CS-9 (3) (890-4212-9), CS-10 (3) (890-4212-10), CS-11 (3) (890-4212-11), CS-12 (4) (890-4212-12), CS-13 (3) (890-4212-13), CS-14 (3) (890-4212-14), CS-15 (4) (890-4212-15), CS-16 (3) (890-4212-16), CS-17 (3) (890-4212-17), CS-18 (2) (890-4212-18), CS-19 (2) (890-4212-19), CS-20 (2) (890-4212-20), CS-21 (2) (890-4212-21), D-1 (0-6') (890-4212-22), D-1 (1-1.5') (890-4212-23), D-1 (2-2.5') (890-4212-24), D-1 (3-3.5') (890-4212-25), D-1 (4-4.5') (890-4212-26), SW-1 (0-4') (890-4212-27), SW-2 (0-3') (890-4212-28), SW-3 (0-4') (890-4212-29), SW-4 (0-3') (890-4212-30), SW-5 (0-3') (890-4212-31), SW-6 (0-2') (890-4212-32), SW-7 (2-3') (890-4212-33), SW-8 (3-4') (890-4212-34) and SW-9 (3-4') (890-4212-35).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-48442 and analytical batch 880-48426 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-21 (2) (890-4212-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48241 and analytical batch 880-48426 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-48243 and analytical batch 880-48520 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-48241 and analytical batch 880-48426 was outside the control limits.

Method 8021B: Toluene biased low in LCS. Since only an acceptable LCS or LCSD is required per the method, the data has been qualified and reported.(LCS 880-48241/1-A)

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: SW-2 (0-3') (890-4212-28). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-47811 and analytical batch 880-47830 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47813 and analytical batch 880-47826 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-47813/2-A). Evidence of matrix interferences is not obvious.

Case Narrative

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

Job ID: 890-4212-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47837 and analytical batch 880-48003 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: (890-4205-A-61-D), (890-4205-A-61-E MS) and (890-4205-A-61-F MSD).

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

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Client Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

Client Sample ID: CS-1 (4)

Lab Sample ID: 890-4212-1

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		03/09/23 15:23	03/14/23 02:03	1
Toluene	<0.00201	U F1 *-	0.00201		mg/Kg		03/09/23 15:23	03/14/23 02:03	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		03/09/23 15:23	03/14/23 02:03	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		03/09/23 15:23	03/14/23 02:03	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		03/09/23 15:23	03/14/23 02:03	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		03/09/23 15:23	03/14/23 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/09/23 15:23	03/14/23 02:03	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/09/23 15:23	03/14/23 02:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	218		49.9		mg/Kg			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 11:00	1
Diesel Range Organics (Over C10-C28)	218		49.9		mg/Kg		03/04/23 11:04	03/05/23 11:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 11:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	03/04/23 11:04	03/05/23 11:00	1
o-Terphenyl	114		70 - 130	03/04/23 11:04	03/05/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315		5.04		mg/Kg			03/08/23 08:32	1

Client Sample ID: CS-2 (3)

Lab Sample ID: 890-4212-2

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 02:30	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		03/09/23 15:23	03/14/23 02:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 02:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 02:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 02:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/09/23 15:23	03/14/23 02:30	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-2 (3)

Lab Sample ID: 890-4212-2

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	03/09/23 15:23	03/14/23 02:30	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 12:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 12:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	03/04/23 11:04	03/05/23 12:06	1
o-Terphenyl	112		70 - 130	03/04/23 11:04	03/05/23 12:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		4.98		mg/Kg			03/08/23 08:47	1

Client Sample ID: CS-3 (3)

Lab Sample ID: 890-4212-3

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 02:56	1
Toluene	<0.00199	U *	0.00199		mg/Kg		03/09/23 15:23	03/14/23 02:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 02:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 02:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 02:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	03/09/23 15:23	03/14/23 02:56	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/09/23 15:23	03/14/23 02:56	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-3 (3)

Lab Sample ID: 890-4212-3

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 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		03/04/23 11:04	03/05/23 12:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 12:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	03/04/23 11:04	03/05/23 12:28	1
o-Terphenyl	110		70 - 130	03/04/23 11:04	03/05/23 12:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.6		4.95		mg/Kg			03/08/23 08:52	1

Client Sample ID: CS-4 (3)

Lab Sample ID: 890-4212-4

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 03:22	1
Toluene	<0.00200	U *	0.00200		mg/Kg		03/09/23 15:23	03/14/23 03:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 03:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/09/23 15:23	03/14/23 03:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 03:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/09/23 15:23	03/14/23 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/09/23 15:23	03/14/23 03:22	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/09/23 15:23	03/14/23 03:22	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 12:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 12:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/04/23 11:04	03/05/23 12:50	1
o-Terphenyl	122		70 - 130	03/04/23 11:04	03/05/23 12:50	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-4 (3)

Lab Sample ID: 890-4212-4

Date Collected: 02/28/23 00:00
 Date Received: 02/28/23 16:51
 Sample Depth: 3

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		5.00		mg/Kg			03/08/23 08:56	1

Client Sample ID: CS-5 (3)

Lab Sample ID: 890-4212-5

Date Collected: 02/28/23 00:00
 Date Received: 02/28/23 16:51
 Sample Depth: 3

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 03:49	1
Toluene	<0.00199	U *	0.00199		mg/Kg		03/09/23 15:23	03/14/23 03:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 03:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 03:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 03:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 03:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				03/09/23 15:23	03/14/23 03:49	1
1,4-Difluorobenzene (Surr)	85		70 - 130				03/09/23 15:23	03/14/23 03:49	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 13:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 13:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/04/23 11:04	03/05/23 13:12	1
o-Terphenyl	115		70 - 130				03/04/23 11:04	03/05/23 13:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363		4.99		mg/Kg			03/08/23 09:01	1

Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-6 (3)

Lab Sample ID: 890-4212-6

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 04:15	1
Toluene	<0.00199	U *	0.00199		mg/Kg		03/09/23 15:23	03/14/23 04:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 04:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 04:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 04:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/09/23 15:23	03/14/23 04:15	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/09/23 15:23	03/14/23 04:15	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 13:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 13:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	03/04/23 11:04	03/05/23 13:34	1
o-Terphenyl	118		70 - 130	03/04/23 11:04	03/05/23 13:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		5.01		mg/Kg			03/08/23 09:16	1

Client Sample ID: CS-7 (3)

Lab Sample ID: 890-4212-7

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 04:42	1
Toluene	<0.00200	U *	0.00200		mg/Kg		03/09/23 15:23	03/14/23 04:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 04:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/09/23 15:23	03/14/23 04:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 04:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/09/23 15:23	03/14/23 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/09/23 15:23	03/14/23 04:42	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-7 (3)

Lab Sample ID: 890-4212-7

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	03/09/23 15:23	03/14/23 04:42	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 13:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 13:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	03/04/23 11:04	03/05/23 13:56	1
o-Terphenyl	105		70 - 130	03/04/23 11:04	03/05/23 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		4.98		mg/Kg			03/08/23 09:21	1

Client Sample ID: CS-8 (3)

Lab Sample ID: 890-4212-8

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:23	03/14/23 05:08	1
Toluene	<0.00201	U *	0.00201		mg/Kg		03/09/23 15:23	03/14/23 05:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:23	03/14/23 05:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/09/23 15:23	03/14/23 05:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:23	03/14/23 05:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/09/23 15:23	03/14/23 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/09/23 15:23	03/14/23 05:08	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/09/23 15:23	03/14/23 05:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-8 (3)

Lab Sample ID: 890-4212-8

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 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		03/04/23 11:04	03/05/23 14:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 14:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/04/23 11:04	03/05/23 14:19	1
o-Terphenyl	119		70 - 130	03/04/23 11:04	03/05/23 14:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	351		4.95		mg/Kg			03/08/23 09:26	1

Client Sample ID: CS-9 (3)

Lab Sample ID: 890-4212-9

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 05:34	1
Toluene	<0.00199	U *	0.00199		mg/Kg		03/09/23 15:23	03/14/23 05:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 05:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 05:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 05:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 05:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	03/09/23 15:23	03/14/23 05:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/09/23 15:23	03/14/23 05:34	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 14:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 14:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	03/04/23 11:04	03/05/23 14:41	1
o-Terphenyl	116		70 - 130	03/04/23 11:04	03/05/23 14:41	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-9 (3)

Lab Sample ID: 890-4212-9

Date Collected: 02/28/23 00:00
 Date Received: 02/28/23 16:51
 Sample Depth: 3

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.4		5.04		mg/Kg			03/08/23 09:30	1

Client Sample ID: CS-10 (3)

Lab Sample ID: 890-4212-10

Date Collected: 02/28/23 00:00
 Date Received: 02/28/23 16:51
 Sample Depth: 3

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 06:01	1
Toluene	<0.00199	U *	0.00199		mg/Kg		03/09/23 15:23	03/14/23 06:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 06:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 06:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 06:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 06:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				03/09/23 15:23	03/14/23 06:01	1
1,4-Difluorobenzene (Surr)	86		70 - 130				03/09/23 15:23	03/14/23 06:01	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 15:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 15:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				03/04/23 11:04	03/05/23 15:03	1
o-Terphenyl	105		70 - 130				03/04/23 11:04	03/05/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		4.99		mg/Kg			03/08/23 09:35	1

Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-11 (3)

Lab Sample ID: 890-4212-11

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 07:51	1
Toluene	<0.00200	U *	0.00200		mg/Kg		03/09/23 15:23	03/14/23 07:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 07:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/09/23 15:23	03/14/23 07:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 07:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/09/23 15:23	03/14/23 07:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/09/23 15:23	03/14/23 07:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/09/23 15:23	03/14/23 07:51	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 15:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 15:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	03/04/23 11:04	03/05/23 15:47	1
o-Terphenyl	103		70 - 130	03/04/23 11:04	03/05/23 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	301		4.97		mg/Kg			03/08/23 09:40	1

Client Sample ID: CS-12 (4)

Lab Sample ID: 890-4212-12

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 08:18	1
Toluene	<0.00199	U *	0.00199		mg/Kg		03/09/23 15:23	03/14/23 08:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 08:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 08:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 08:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 08:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/09/23 15:23	03/14/23 08:18	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-12 (4)

Lab Sample ID: 890-4212-12

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	87		70 - 130	03/09/23 15:23	03/14/23 08:18	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 16:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 16:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	03/04/23 11:04	03/05/23 16:10	1
o-Terphenyl	113		70 - 130	03/04/23 11:04	03/05/23 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		4.95		mg/Kg			03/08/23 09:55	1

Client Sample ID: CS-13 (3)

Lab Sample ID: 890-4212-13

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/09/23 15:23	03/14/23 08:44	1
Toluene	<0.00198	U *	0.00198		mg/Kg		03/09/23 15:23	03/14/23 08:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/09/23 15:23	03/14/23 08:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/09/23 15:23	03/14/23 08:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/09/23 15:23	03/14/23 08:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/09/23 15:23	03/14/23 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/09/23 15:23	03/14/23 08:44	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/09/23 15:23	03/14/23 08:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-13 (3)

Lab Sample ID: 890-4212-13

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 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		03/04/23 11:04	03/05/23 16:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 16:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/04/23 11:04	03/05/23 16:32	1
o-Terphenyl	120		70 - 130				03/04/23 11:04	03/05/23 16:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		4.96		mg/Kg			03/08/23 09:59	1

Client Sample ID: CS-14 (3)

Lab Sample ID: 890-4212-14

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:23	03/14/23 09:10	1
Toluene	<0.00201	U *	0.00201		mg/Kg		03/09/23 15:23	03/14/23 09:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:23	03/14/23 09:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/09/23 15:23	03/14/23 09:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:23	03/14/23 09:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/09/23 15:23	03/14/23 09:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				03/09/23 15:23	03/14/23 09:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/09/23 15:23	03/14/23 09:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 16:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 16:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/04/23 11:04	03/05/23 16:54	1
o-Terphenyl	114		70 - 130				03/04/23 11:04	03/05/23 16:54	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-14 (3)

Lab Sample ID: 890-4212-14

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	483		5.05		mg/Kg			03/08/23 10:14	1

Client Sample ID: CS-15 (4)

Lab Sample ID: 890-4212-15

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 09:37	1
Toluene	<0.00200	U *	0.00200		mg/Kg		03/09/23 15:23	03/14/23 09:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 09:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/09/23 15:23	03/14/23 09:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 09:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/09/23 15:23	03/14/23 09:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/09/23 15:23	03/14/23 09:37	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/09/23 15:23	03/14/23 09:37	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 17:16	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	03/04/23 11:04	03/05/23 17:16	1
o-Terphenyl	111		70 - 130	03/04/23 11:04	03/05/23 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		4.98		mg/Kg			03/08/23 10:19	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-16 (3)

Lab Sample ID: 890-4212-16

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 10:03	1
Toluene	<0.00199	U *	0.00199		mg/Kg		03/09/23 15:23	03/14/23 10:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 10:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 10:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 10:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 10:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/09/23 15:23	03/14/23 10:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/09/23 15:23	03/14/23 10:03	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 17:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	03/04/23 11:04	03/05/23 17:38	1
o-Terphenyl	111		70 - 130	03/04/23 11:04	03/05/23 17:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		5.00		mg/Kg			03/08/23 10:24	1

Client Sample ID: CS-17 (3)

Lab Sample ID: 890-4212-17

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 10:30	1
Toluene	<0.00199	U *	0.00199		mg/Kg		03/09/23 15:23	03/14/23 10:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 10:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 10:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:23	03/14/23 10:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:23	03/14/23 10:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/09/23 15:23	03/14/23 10:30	1

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Client Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

Client Sample ID: CS-17 (3)

Lab Sample ID: 890-4212-17

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	03/09/23 15:23	03/14/23 10:30	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 18:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 18:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/04/23 11:04	03/05/23 18:00	1
o-Terphenyl	110		70 - 130	03/04/23 11:04	03/05/23 18:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	354		4.96		mg/Kg			03/08/23 10:29	1

Client Sample ID: CS-18 (2)

Lab Sample ID: 890-4212-18

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 10:57	1
Toluene	<0.00200	U *	0.00200		mg/Kg		03/09/23 15:23	03/14/23 10:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 10:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/09/23 15:23	03/14/23 10:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 10:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/09/23 15:23	03/14/23 10:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/09/23 15:23	03/14/23 10:57	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/09/23 15:23	03/14/23 10:57	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-18 (2)

Lab Sample ID: 890-4212-18

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2

Method: SW846 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		03/04/23 11:04	03/05/23 18:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 18:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/04/23 11:04	03/05/23 18:22	1
o-Terphenyl	117		70 - 130	03/04/23 11:04	03/05/23 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		4.95		mg/Kg			03/08/23 10:34	1

Client Sample ID: CS-19 (2)

Lab Sample ID: 890-4212-19

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:23	03/14/23 11:24	1
Toluene	<0.00201	U *	0.00201		mg/Kg		03/09/23 15:23	03/14/23 11:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:23	03/14/23 11:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/09/23 15:23	03/14/23 11:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:23	03/14/23 11:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/09/23 15:23	03/14/23 11:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	03/09/23 15:23	03/14/23 11:24	1
1,4-Difluorobenzene (Surr)	82		70 - 130	03/09/23 15:23	03/14/23 11:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 18:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 18:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	03/04/23 11:04	03/05/23 18:45	1
o-Terphenyl	106		70 - 130	03/04/23 11:04	03/05/23 18:45	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-19 (2)

Lab Sample ID: 890-4212-19

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		5.05		mg/Kg			03/08/23 10:38	1

Client Sample ID: CS-20 (2)

Lab Sample ID: 890-4212-20

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 11:50	1
Toluene	<0.00200	U *	0.00200		mg/Kg		03/09/23 15:23	03/14/23 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 11:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/09/23 15:23	03/14/23 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 11:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/09/23 15:23	03/14/23 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/09/23 15:23	03/14/23 11:50	1
1,4-Difluorobenzene (Surr)	80		70 - 130	03/09/23 15:23	03/14/23 11:50	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 12:39	1

Method: SW846 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		03/04/23 11:04	03/05/23 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 19:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:04	03/05/23 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	03/04/23 11:04	03/05/23 19:06	1
o-Terphenyl	108		70 - 130	03/04/23 11:04	03/05/23 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		4.97		mg/Kg			03/08/23 10:43	1

Client Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

Client Sample ID: CS-21 (2)

Lab Sample ID: 890-4212-21

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		03/09/23 15:25	03/13/23 19:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 19:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 19:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/09/23 15:25	03/13/23 19:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 19:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/09/23 15:25	03/13/23 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	03/09/23 15:25	03/13/23 19:28	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	03/09/23 15:25	03/13/23 19:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 11:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 11:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 11:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	03/04/23 10:55	03/05/23 11:00	1
o-Terphenyl	93		70 - 130	03/04/23 10:55	03/05/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		4.98		mg/Kg			03/08/23 09:43	1

Client Sample ID: D-1 (0-6')

Lab Sample ID: 890-4212-22

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/09/23 15:25	03/13/23 19:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/09/23 15:25	03/13/23 19:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/09/23 15:25	03/13/23 19:48	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/09/23 15:25	03/13/23 19:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/09/23 15:25	03/13/23 19:48	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/09/23 15:25	03/13/23 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/09/23 15:25	03/13/23 19:48	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: D-1 (0-6')

Lab Sample ID: 890-4212-22

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 6

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	03/09/23 15:25	03/13/23 19:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 12:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 12:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	03/04/23 10:55	03/05/23 12:05	1
o-Terphenyl	95		70 - 130	03/04/23 10:55	03/05/23 12:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	840		24.9		mg/Kg			03/08/23 10:01	5

Client Sample ID: D-1 (1-1.5')

Lab Sample ID: 890-4212-23

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 1 - 1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 20:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 20:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 20:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:25	03/13/23 20:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 20:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:25	03/13/23 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/09/23 15:25	03/13/23 20:09	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/09/23 15:25	03/13/23 20:09	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.6		50.0		mg/Kg			03/06/23 11:31	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: D-1 (1-1.5')

Lab Sample ID: 890-4212-23

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 1 - 1.5

Method: SW846 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		03/04/23 10:55	03/05/23 12:26	1
Diesel Range Organics (Over C10-C28)	55.6		50.0		mg/Kg		03/04/23 10:55	03/05/23 12:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/04/23 10:55	03/05/23 12:26	1
o-Terphenyl	112		70 - 130				03/04/23 10:55	03/05/23 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	901		24.8		mg/Kg			03/08/23 10:07	5

Client Sample ID: D-1 (2-2.5')

Lab Sample ID: 890-4212-24

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 20:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 20:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 20:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:25	03/13/23 20:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 20:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:25	03/13/23 20:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				03/09/23 15:25	03/13/23 20:30	1
1,4-Difluorobenzene (Surr)	107		70 - 130				03/09/23 15:25	03/13/23 20:30	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 12:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 12:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/04/23 10:55	03/05/23 12:49	1
o-Terphenyl	86		70 - 130				03/04/23 10:55	03/05/23 12:49	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: D-1 (2-2.5')

Lab Sample ID: 890-4212-24

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2 - 2.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	519		5.01		mg/Kg			03/08/23 10:13	1

Client Sample ID: D-1 (3-3.5')

Lab Sample ID: 890-4212-25

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3 - 3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 20:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 20:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 20:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/09/23 15:25	03/13/23 20:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 20:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/09/23 15:25	03/13/23 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				03/09/23 15:25	03/13/23 20:50	1
1,4-Difluorobenzene (Surr)	107		70 - 130				03/09/23 15:25	03/13/23 20:50	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 13:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 13:10	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				03/04/23 10:55	03/05/23 13:10	1
o-Terphenyl	86		70 - 130				03/04/23 10:55	03/05/23 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	256		4.98		mg/Kg			03/08/23 10:38	1

Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: D-1 (4-4.5')

Lab Sample ID: 890-4212-26

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 4 - 4.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 21:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 21:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 21:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:25	03/13/23 21:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 21:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:25	03/13/23 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/09/23 15:25	03/13/23 21:11	1
1,4-Difluorobenzene (Surr)	114		70 - 130	03/09/23 15:25	03/13/23 21:11	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 13:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 13:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	03/04/23 10:55	03/05/23 13:31	1
o-Terphenyl	86		70 - 130	03/04/23 10:55	03/05/23 13:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.01		mg/Kg			03/08/23 10:57	1

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

Lab Sample ID: 890-4212-27

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 21:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 21:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 21:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 15:25	03/13/23 21:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 15:25	03/13/23 21:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 15:25	03/13/23 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/09/23 15:25	03/13/23 21:32	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

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

Lab Sample ID: 890-4212-27

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 4

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	03/09/23 15:25	03/13/23 21:32	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 13:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 13:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	03/04/23 10:55	03/05/23 13:53	1
o-Terphenyl	91		70 - 130	03/04/23 10:55	03/05/23 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.0		4.98		mg/Kg			03/08/23 11:03	1

Client Sample ID: SW-2 (0-3')

Lab Sample ID: 890-4212-28

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 21:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 21:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 21:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/09/23 15:25	03/13/23 21:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 21:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/09/23 15:25	03/13/23 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/09/23 15:25	03/13/23 21:53	1
1,4-Difluorobenzene (Surr)	117		70 - 130	03/09/23 15:25	03/13/23 21:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: SW-2 (0-3')

Lab Sample ID: 890-4212-28

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 3

Method: SW846 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		03/04/23 10:55	03/05/23 14:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 14:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	46	S1-	70 - 130				03/04/23 10:55	03/05/23 14:15	1
o-Terphenyl	83		70 - 130				03/04/23 10:55	03/05/23 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.6		4.95		mg/Kg			03/08/23 11:09	1

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

Lab Sample ID: 890-4212-29

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 22:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 22:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 22:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/09/23 15:25	03/13/23 22:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 22:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/09/23 15:25	03/13/23 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				03/09/23 15:25	03/13/23 22:13	1
1,4-Difluorobenzene (Surr)	82		70 - 130				03/09/23 15:25	03/13/23 22:13	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	97.1		49.9		mg/Kg			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 14:36	1
Diesel Range Organics (Over C10-C28)	97.1		49.9		mg/Kg		03/04/23 10:55	03/05/23 14:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				03/04/23 10:55	03/05/23 14:36	1
o-Terphenyl	85		70 - 130				03/04/23 10:55	03/05/23 14:36	1

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Client Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

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

Lab Sample ID: 890-4212-29

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	435		5.01		mg/Kg			03/08/23 11:15	1

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

Lab Sample ID: 890-4212-30

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 22:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 22:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 22:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/09/23 15:25	03/13/23 22:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/09/23 15:25	03/13/23 22:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/09/23 15:25	03/13/23 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/09/23 15:25	03/13/23 22:34	1
1,4-Difluorobenzene (Surr)	110		70 - 130				03/09/23 15:25	03/13/23 22:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 14:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 14:58	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				03/04/23 10:55	03/05/23 14:58	1
o-Terphenyl	75		70 - 130				03/04/23 10:55	03/05/23 14:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.99		mg/Kg			03/08/23 11:21	1

Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: SW-5 (0-3')

Lab Sample ID: 890-4212-31

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/09/23 10:06	03/13/23 15:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/09/23 10:06	03/13/23 15:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/09/23 10:06	03/13/23 15:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/09/23 10:06	03/13/23 15:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/09/23 10:06	03/13/23 15:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/09/23 10:06	03/13/23 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/09/23 10:06	03/13/23 15:04	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/09/23 10:06	03/13/23 15:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 15:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 15:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	03/04/23 10:55	03/05/23 15:42	1
o-Terphenyl	83		70 - 130	03/04/23 10:55	03/05/23 15:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.0		4.98		mg/Kg			03/07/23 13:05	1

Client Sample ID: SW-6 (0-2')

Lab Sample ID: 890-4212-32

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 15:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 15:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 15:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 10:06	03/13/23 15:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 15:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 10:06	03/13/23 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/09/23 10:06	03/13/23 15:24	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: SW-6 (0-2')

Lab Sample ID: 890-4212-32

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 0 - 2

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	03/09/23 10:06	03/13/23 15:24	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 16:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 16:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/04/23 10:55	03/05/23 16:03	1
o-Terphenyl	104		70 - 130	03/04/23 10:55	03/05/23 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	376		5.00		mg/Kg			03/07/23 13:11	1

Client Sample ID: SW-7 (2-3')

Lab Sample ID: 890-4212-33

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2 - 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 17:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 17:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 17:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/09/23 10:06	03/13/23 17:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 17:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/09/23 10:06	03/13/23 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	03/09/23 10:06	03/13/23 17:14	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/09/23 10:06	03/13/23 17:14	1

Method: TAL SOP 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			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

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Client Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: SW-7 (2-3')

Lab Sample ID: 890-4212-33

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 2 - 3

Method: SW846 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		03/04/23 10:55	03/05/23 16:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 16:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				03/04/23 10:55	03/05/23 16:24	1
o-Terphenyl	84		70 - 130				03/04/23 10:55	03/05/23 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	785		4.97		mg/Kg			03/07/23 13:17	1

Client Sample ID: SW-8 (3-4')

Lab Sample ID: 890-4212-34

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3 - 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/09/23 10:06	03/13/23 17:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/09/23 10:06	03/13/23 17:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/09/23 10:06	03/13/23 17:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/09/23 10:06	03/13/23 17:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/09/23 10:06	03/13/23 17:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/09/23 10:06	03/13/23 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				03/09/23 10:06	03/13/23 17:35	1
1,4-Difluorobenzene (Surr)	96		70 - 130				03/09/23 10:06	03/13/23 17:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 16:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 16:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				03/04/23 10:55	03/05/23 16:46	1
o-Terphenyl	99		70 - 130				03/04/23 10:55	03/05/23 16:46	1

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Client Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

Client Sample ID: SW-8 (3-4')

Lab Sample ID: 890-4212-34

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3 - 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		5.00		mg/Kg			03/07/23 13:29	1

Client Sample ID: SW-9 (3-4')

Lab Sample ID: 890-4212-35

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Sample Depth: 3 - 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/09/23 10:06	03/13/23 17:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/09/23 10:06	03/13/23 17:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/09/23 10:06	03/13/23 17:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/09/23 10:06	03/13/23 17:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/09/23 10:06	03/13/23 17:55	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/09/23 10:06	03/13/23 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				03/09/23 10:06	03/13/23 17:55	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/09/23 10:06	03/13/23 17:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/14/23 18:25	1

Method: SW846 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			03/06/23 11:31	1

Method: SW846 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		03/04/23 10:55	03/05/23 17:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/04/23 10:55	03/05/23 17:07	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/04/23 10:55	03/05/23 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				03/04/23 10:55	03/05/23 17:07	1
o-Terphenyl	78		70 - 130				03/04/23 10:55	03/05/23 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.8		4.96		mg/Kg			03/07/23 13:23	1

Surrogate Summary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-4212-1	CS-1 (4)	107	89
890-4212-1 MS	CS-1 (4)	91	105
890-4212-1 MSD	CS-1 (4)	93	95
890-4212-2	CS-2 (3)	104	86
890-4212-3	CS-3 (3)	99	94
890-4212-4	CS-4 (3)	97	87
890-4212-5	CS-5 (3)	105	85
890-4212-6	CS-6 (3)	104	97
890-4212-7	CS-7 (3)	108	94
890-4212-8	CS-8 (3)	94	90
890-4212-9	CS-9 (3)	120	95
890-4212-10	CS-10 (3)	86	86
890-4212-11	CS-11 (3)	103	101
890-4212-12	CS-12 (4)	98	87
890-4212-13	CS-13 (3)	105	93
890-4212-14	CS-14 (3)	104	94
890-4212-15	CS-15 (4)	102	92
890-4212-16	CS-16 (3)	94	92
890-4212-17	CS-17 (3)	109	98
890-4212-18	CS-18 (2)	97	91
890-4212-19	CS-19 (2)	88	82
890-4212-20	CS-20 (2)	87	80
890-4212-21	CS-21 (2)	82	67 S1-
890-4212-21 MS	CS-21 (2)	118	97
890-4212-21 MSD	CS-21 (2)	106	99
890-4212-22	D-1 (0-6')	109	104
890-4212-23	D-1 (1-1.5')	116	104
890-4212-24	D-1 (2-2.5')	119	107
890-4212-25	D-1 (3-3.5')	115	107
890-4212-26	D-1 (4-4.5')	117	114
890-4212-27	SW-1 (0-4')	116	102
890-4212-28	SW-2 (0-3')	114	117
890-4212-29	SW-3 (0-4')	101	82
890-4212-30	SW-4 (0-3')	118	110
890-4212-31	SW-5 (0-3')	105	99
890-4212-32	SW-6 (0-2')	105	99
890-4212-33	SW-7 (2-3')	92	87
890-4212-34	SW-8 (3-4')	101	96
890-4212-35	SW-9 (3-4')	103	97
890-4215-A-1-B MS	Matrix Spike	98	105
890-4215-A-1-C MSD	Matrix Spike Duplicate	102	103
LCS 880-48192/1-A	Lab Control Sample	93	102
LCS 880-48241/1-A	Lab Control Sample	88	82
LCS 880-48243/1-A	Lab Control Sample	103	100
LCSD 880-48192/2-A	Lab Control Sample Dup	93	103
LCSD 880-48241/2-A	Lab Control Sample Dup	103	91
LCSD 880-48243/2-A	Lab Control Sample Dup	101	97
MB 880-48192/5-A	Method Blank	93	95
MB 880-48241/5-A	Method Blank	62 S1-	89

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Surrogate Summary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-48243/5-A	Method Blank	88	86
MB 880-48442/5-A	Method Blank	59 S1-	91
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)
890-4212-1	CS-1 (4)	99	114
890-4212-1 MS	CS-1 (4)	104	114
890-4212-1 MSD	CS-1 (4)	119	120
890-4212-2	CS-2 (3)	94	112
890-4212-3	CS-3 (3)	95	110
890-4212-4	CS-4 (3)	112	122
890-4212-5	CS-5 (3)	97	115
890-4212-6	CS-6 (3)	111	118
890-4212-7	CS-7 (3)	91	105
890-4212-8	CS-8 (3)	112	119
890-4212-9	CS-9 (3)	108	116
890-4212-10	CS-10 (3)	90	105
890-4212-11	CS-11 (3)	88	103
890-4212-12	CS-12 (4)	104	113
890-4212-13	CS-13 (3)	115	120
890-4212-14	CS-14 (3)	99	114
890-4212-15	CS-15 (4)	97	111
890-4212-16	CS-16 (3)	105	111
890-4212-17	CS-17 (3)	103	110
890-4212-18	CS-18 (2)	106	117
890-4212-19	CS-19 (2)	91	106
890-4212-20	CS-20 (2)	94	108
890-4212-21	CS-21 (2)	96	93
890-4212-21 MS	CS-21 (2)	107	96
890-4212-21 MSD	CS-21 (2)	109	98
890-4212-22	D-1 (0-6')	95	95
890-4212-23	D-1 (1-1.5')	112	112
890-4212-24	D-1 (2-2.5')	91	86
890-4212-25	D-1 (3-3.5')	92	86
890-4212-26	D-1 (4-4.5')	94	86
890-4212-27	SW-1 (0-4')	99	91
890-4212-28	SW-2 (0-3')	46 S1-	83
890-4212-29	SW-3 (0-4')	92	85
890-4212-30	SW-4 (0-3')	83	75
890-4212-31	SW-5 (0-3')	90	83
890-4212-32	SW-6 (0-2')	107	104
890-4212-33	SW-7 (2-3')	90	84
890-4212-34	SW-8 (3-4')	104	99

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Surrogate Summary

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-4212-35	SW-9 (3-4')	85	78
LCS 880-47811/2-A	Lab Control Sample	93	85
LCS 880-47813/2-A	Lab Control Sample	129	135 S1+
LCSD 880-47811/3-A	Lab Control Sample Dup	92	84
LCSD 880-47813/3-A	Lab Control Sample Dup	109	113
MB 880-47811/1-A	Method Blank	123	121
MB 880-47813/1-A	Method Blank	128	150 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48192/5-A
 Matrix: Solid
 Analysis Batch: 48425

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 48192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/09/23 10:06	03/13/23 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	03/09/23 10:06	03/13/23 11:51	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/09/23 10:06	03/13/23 11:51	1

Lab Sample ID: LCS 880-48192/1-A
 Matrix: Solid
 Analysis Batch: 48425

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 48192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08568		mg/Kg		86	70 - 130
Toluene	0.100	0.08848		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08317		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1706		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08409		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-48192/2-A
 Matrix: Solid
 Analysis Batch: 48425

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 48192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08482		mg/Kg		85	70 - 130	1	35
Toluene	0.100	0.08647		mg/Kg		86	70 - 130	2	35
Ethylbenzene	0.100	0.08262		mg/Kg		83	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1696		mg/Kg		85	70 - 130	1	35
o-Xylene	0.100	0.08441		mg/Kg		84	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-4215-A-1-B MS
 Matrix: Solid
 Analysis Batch: 48425

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 48192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1023		mg/Kg		102	70 - 130
Toluene	<0.00199	U	0.0998	0.1046		mg/Kg		105	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

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

Lab Sample ID: 890-4215-A-1-B MS
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48192

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Ethylbenzene	<0.00199	U	0.0998	0.09862		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2013		mg/Kg		100	70 - 130
o-Xylene	<0.00199	U	0.0998	0.09902		mg/Kg		98	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-4215-A-1-C MSD
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48192

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Benzene	<0.00199	U	0.100	0.09603		mg/Kg		95	70 - 130	6	35
Toluene	<0.00199	U	0.100	0.09757		mg/Kg		97	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.100	0.09340		mg/Kg		92	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1938		mg/Kg		95	70 - 130	4	35
o-Xylene	<0.00199	U	0.100	0.09584		mg/Kg		94	70 - 130	3	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-48241/5-A
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48241

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 01:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 01:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 01:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/09/23 15:23	03/14/23 01:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:23	03/14/23 01:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/09/23 15:23	03/14/23 01:37	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130	03/09/23 15:23	03/14/23 01:37	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/09/23 15:23	03/14/23 01:37	1

Lab Sample ID: LCS 880-48241/1-A
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48241

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Benzene	0.100	0.07334		mg/Kg		73	70 - 130
Toluene	0.100	0.06549	*	mg/Kg		65	70 - 130
Ethylbenzene	0.100	0.08780		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1762		mg/Kg		88	70 - 130

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QC Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

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

Lab Sample ID: LCS 880-48241/1-A
 Matrix: Solid
 Analysis Batch: 48426

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 48241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-48241/2-A
 Matrix: Solid
 Analysis Batch: 48426

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 48241

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09860		mg/Kg		99	70 - 130	29	35
Toluene	0.100	0.08440		mg/Kg		84	70 - 130	25	35
Ethylbenzene	0.100	0.09126		mg/Kg		91	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1911		mg/Kg		96	70 - 130	8	35
o-Xylene	0.100	0.09185		mg/Kg		92	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-4212-1 MS
 Matrix: Solid
 Analysis Batch: 48426

Client Sample ID: CS-1 (4)
 Prep Type: Total/NA
 Prep Batch: 48241

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.0998	0.06033	F1	mg/Kg		60	70 - 130
Toluene	<0.00201	U F1 *-	0.0998	0.05190	F1	mg/Kg		52	70 - 130
Ethylbenzene	<0.00201	U F1	0.0998	0.05152	F1	mg/Kg		52	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1062	F1	mg/Kg		52	70 - 130
o-Xylene	<0.00201	U F1	0.0998	0.05200	F1	mg/Kg		52	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-4212-1 MSD
 Matrix: Solid
 Analysis Batch: 48426

Client Sample ID: CS-1 (4)
 Prep Type: Total/NA
 Prep Batch: 48241

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U F1	0.0990	0.06870	F1	mg/Kg		69	70 - 130	13	35
Toluene	<0.00201	U F1 *-	0.0990	0.05867	F1	mg/Kg		59	70 - 130	12	35
Ethylbenzene	<0.00201	U F1	0.0990	0.05897	F1	mg/Kg		60	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1260	F1	mg/Kg		63	70 - 130	17	35
o-Xylene	<0.00201	U F1	0.0990	0.06315	F1	mg/Kg		64	70 - 130	19	35

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QC Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

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

Lab Sample ID: 890-4212-1 MSD
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: CS-1 (4)
Prep Type: Total/NA
Prep Batch: 48241

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-48243/5-A
Matrix: Solid
Analysis Batch: 48520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48243

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 19:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 19:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 19:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/09/23 15:25	03/13/23 19:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 15:25	03/13/23 19:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/09/23 15:25	03/13/23 19:06	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	88		70 - 130	03/09/23 15:25	03/13/23 19:06	1
1,4-Difluorobenzene (Surr)	86		70 - 130	03/09/23 15:25	03/13/23 19:06	1

Lab Sample ID: LCS 880-48243/1-A
Matrix: Solid
Analysis Batch: 48520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48243

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09888		mg/Kg		99	70 - 130
Toluene	0.100	0.09474		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09902		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2042		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-48243/2-A
Matrix: Solid
Analysis Batch: 48520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48243

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.09449		mg/Kg		94	70 - 130	5	35
Toluene	0.100	0.09481		mg/Kg		95	70 - 130	0	35
Ethylbenzene	0.100	0.09765		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1991		mg/Kg		100	70 - 130	3	35
o-Xylene	0.100	0.09961		mg/Kg		100	70 - 130	3	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

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

Lab Sample ID: LCSD 880-48243/2-A
Matrix: Solid
Analysis Batch: 48520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48243

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-4212-21 MS
Matrix: Solid
Analysis Batch: 48520

Client Sample ID: CS-21 (2)
Prep Type: Total/NA
Prep Batch: 48243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.0998	0.06613	F1	mg/Kg		66	70 - 130
Toluene	<0.00201	U	0.0998	0.07294		mg/Kg		72	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08285		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1722		mg/Kg		86	70 - 130
o-Xylene	<0.00201	U	0.0998	0.08693		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-4212-21 MSD
Matrix: Solid
Analysis Batch: 48520

Client Sample ID: CS-21 (2)
Prep Type: Total/NA
Prep Batch: 48243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U F1	0.0990	0.08115		mg/Kg		81	70 - 130	20	35
Toluene	<0.00201	U	0.0990	0.08035		mg/Kg		80	70 - 130	10	35
Ethylbenzene	<0.00201	U	0.0990	0.08250		mg/Kg		83	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1702		mg/Kg		85	70 - 130	1	35
o-Xylene	<0.00201	U	0.0990	0.08525		mg/Kg		86	70 - 130	2	35

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

Lab Sample ID: MB 880-48442/5-A
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48442

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/13/23 08:00	03/13/23 11:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130	03/13/23 08:00	03/13/23 11:59	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/13/23 08:00	03/13/23 11:59	1

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QC Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

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

Lab Sample ID: MB 880-47811/1-A
Matrix: Solid
Analysis Batch: 47830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47811

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 08:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 08:30	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 08:30	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	123		70 - 130	03/04/23 10:55	03/05/23 08:30	1
o-Terphenyl	121		70 - 130	03/04/23 10:55	03/05/23 08:30	1

Lab Sample ID: LCS 880-47811/2-A
Matrix: Solid
Analysis Batch: 47830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	867.5		mg/Kg		87	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	93		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: LCSD 880-47811/3-A
Matrix: Solid
Analysis Batch: 47830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47811

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	568.0	*-	mg/Kg		57	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	848.8		mg/Kg		85	70 - 130	2	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	92		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-4212-21 MS
Matrix: Solid
Analysis Batch: 47830

Client Sample ID: CS-21 (2)
Prep Type: Total/NA
Prep Batch: 47811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<49.9	U	998	722.1		mg/Kg		70	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

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

Lab Sample ID: 890-4212-21 MS
Matrix: Solid
Analysis Batch: 47830

Client Sample ID: CS-21 (2)
Prep Type: Total/NA
Prep Batch: 47811

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-4212-21 MSD
Matrix: Solid
Analysis Batch: 47830

Client Sample ID: CS-21 (2)
Prep Type: Total/NA
Prep Batch: 47811

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	800.0		mg/Kg		80	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	738.2		mg/Kg		71	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: MB 880-47813/1-A
Matrix: Solid
Analysis Batch: 47826

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47813

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		03/04/23 11:04	03/05/23 08:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 08:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:04	03/05/23 08:24	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	128		70 - 130	03/04/23 11:04	03/05/23 08:24	1
o-Terphenyl	150	S1+	70 - 130	03/04/23 11:04	03/05/23 08:24	1

Lab Sample ID: LCS 880-47813/2-A
Matrix: Solid
Analysis Batch: 47826

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	934.0		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1024		mg/Kg		102	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	135	S1+	70 - 130

QC Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

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

Lab Sample ID: LCSD 880-47813/3-A
 Matrix: Solid
 Analysis Batch: 47826

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47813

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit	
										RPD
Gasoline Range Organics (GRO)-C6-C10	1000	941.6		mg/Kg		94	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	1000	897.4		mg/Kg		90	70 - 130	13	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	109		70 - 130							
o-Terphenyl	113		70 - 130							

Lab Sample ID: 890-4212-1 MS
 Matrix: Solid
 Analysis Batch: 47826

Client Sample ID: CS-1 (4)
 Prep Type: Total/NA
 Prep Batch: 47813

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1017		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	218		998	1060		mg/Kg		84	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	114		70 - 130								

Lab Sample ID: 890-4212-1 MSD
 Matrix: Solid
 Analysis Batch: 47826

Client Sample ID: CS-1 (4)
 Prep Type: Total/NA
 Prep Batch: 47813

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1157		mg/Kg		114	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	218		999	1157		mg/Kg		94	70 - 130	9	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	119		70 - 130								
o-Terphenyl	120		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47837/1-A
 Matrix: Solid
 Analysis Batch: 48003

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			03/07/23 10:06	1

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QC Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-47837/2-A
 Matrix: Solid
 Analysis Batch: 48003

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-47837/3-A
 Matrix: Solid
 Analysis Batch: 48003

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	258.4		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-4205-A-61-E MS
 Matrix: Solid
 Analysis Batch: 48003

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	886	F1	248	1058	F1	mg/Kg		69	90 - 110

Lab Sample ID: 890-4205-A-61-F MSD
 Matrix: Solid
 Analysis Batch: 48003

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	886	F1	248	1059	F1	mg/Kg		70	90 - 110	0	20

Lab Sample ID: MB 880-47843/1-A
 Matrix: Solid
 Analysis Batch: 48106

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			03/08/23 08:18	1

Lab Sample ID: LCS 880-47843/2-A
 Matrix: Solid
 Analysis Batch: 48106

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	263.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-47843/3-A
 Matrix: Solid
 Analysis Batch: 48106

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	264.1		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-4212-1 MS
 Matrix: Solid
 Analysis Batch: 48106

Client Sample ID: CS-1 (4)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	315		252	576.6		mg/Kg		104	90 - 110

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QC Sample Results

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-4212-1 MSD
Matrix: Solid
Analysis Batch: 48106

Client Sample ID: CS-1 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	315		252	575.8		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-4212-11 MS
Matrix: Solid
Analysis Batch: 48106

Client Sample ID: CS-11 (3)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	301		249	543.4		mg/Kg		98	90 - 110

Lab Sample ID: 890-4212-11 MSD
Matrix: Solid
Analysis Batch: 48106

Client Sample ID: CS-11 (3)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	301		249	543.7		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-47844/1-A
Matrix: Solid
Analysis Batch: 48108

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			03/08/23 08:49	1

Lab Sample ID: LCS 880-47844/2-A
Matrix: Solid
Analysis Batch: 48108

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.2		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-47844/3-A
Matrix: Solid
Analysis Batch: 48108

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	242.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-4212-21 MS
Matrix: Solid
Analysis Batch: 48108

Client Sample ID: CS-21 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	253		249	478.9		mg/Kg		91	90 - 110

Lab Sample ID: 890-4212-21 MSD
Matrix: Solid
Analysis Batch: 48108

Client Sample ID: CS-21 (2)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	253		249	480.3		mg/Kg		91	90 - 110	0	20

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QC Association Summary

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

GC VOA

Prep Batch: 48192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-31	SW-5 (0-3')	Total/NA	Solid	5035	
890-4212-32	SW-6 (0-2')	Total/NA	Solid	5035	
890-4212-33	SW-7 (2-3')	Total/NA	Solid	5035	
890-4212-34	SW-8 (3-4')	Total/NA	Solid	5035	
890-4212-35	SW-9 (3-4')	Total/NA	Solid	5035	
MB 880-48192/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48192/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4215-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-4215-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 48241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-1	CS-1 (4)	Total/NA	Solid	5035	
890-4212-2	CS-2 (3)	Total/NA	Solid	5035	
890-4212-3	CS-3 (3)	Total/NA	Solid	5035	
890-4212-4	CS-4 (3)	Total/NA	Solid	5035	
890-4212-5	CS-5 (3)	Total/NA	Solid	5035	
890-4212-6	CS-6 (3)	Total/NA	Solid	5035	
890-4212-7	CS-7 (3)	Total/NA	Solid	5035	
890-4212-8	CS-8 (3)	Total/NA	Solid	5035	
890-4212-9	CS-9 (3)	Total/NA	Solid	5035	
890-4212-10	CS-10 (3)	Total/NA	Solid	5035	
890-4212-11	CS-11 (3)	Total/NA	Solid	5035	
890-4212-12	CS-12 (4)	Total/NA	Solid	5035	
890-4212-13	CS-13 (3)	Total/NA	Solid	5035	
890-4212-14	CS-14 (3)	Total/NA	Solid	5035	
890-4212-15	CS-15 (4)	Total/NA	Solid	5035	
890-4212-16	CS-16 (3)	Total/NA	Solid	5035	
890-4212-17	CS-17 (3)	Total/NA	Solid	5035	
890-4212-18	CS-18 (2)	Total/NA	Solid	5035	
890-4212-19	CS-19 (2)	Total/NA	Solid	5035	
890-4212-20	CS-20 (2)	Total/NA	Solid	5035	
MB 880-48241/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48241/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48241/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4212-1 MS	CS-1 (4)	Total/NA	Solid	5035	
890-4212-1 MSD	CS-1 (4)	Total/NA	Solid	5035	

Prep Batch: 48243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-21	CS-21 (2)	Total/NA	Solid	5035	
890-4212-22	D-1 (0-6')	Total/NA	Solid	5035	
890-4212-23	D-1 (1-1.5')	Total/NA	Solid	5035	
890-4212-24	D-1 (2-2.5')	Total/NA	Solid	5035	
890-4212-25	D-1 (3-3.5')	Total/NA	Solid	5035	
890-4212-26	D-1 (4-4.5')	Total/NA	Solid	5035	
890-4212-27	SW-1 (0-4')	Total/NA	Solid	5035	
890-4212-28	SW-2 (0-3')	Total/NA	Solid	5035	
890-4212-29	SW-3 (0-4')	Total/NA	Solid	5035	
890-4212-30	SW-4 (0-3')	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

GC VOA (Continued)

Prep Batch: 48243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48243/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48243/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48243/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4212-21 MS	CS-21 (2)	Total/NA	Solid	5035	
890-4212-21 MSD	CS-21 (2)	Total/NA	Solid	5035	

Analysis Batch: 48425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-31	SW-5 (0-3')	Total/NA	Solid	8021B	48192
890-4212-32	SW-6 (0-2')	Total/NA	Solid	8021B	48192
890-4212-33	SW-7 (2-3')	Total/NA	Solid	8021B	48192
890-4212-34	SW-8 (3-4')	Total/NA	Solid	8021B	48192
890-4212-35	SW-9 (3-4')	Total/NA	Solid	8021B	48192
MB 880-48192/5-A	Method Blank	Total/NA	Solid	8021B	48192
LCS 880-48192/1-A	Lab Control Sample	Total/NA	Solid	8021B	48192
LCSD 880-48192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48192
890-4215-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	48192
890-4215-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48192

Analysis Batch: 48426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-1	CS-1 (4)	Total/NA	Solid	8021B	48241
890-4212-2	CS-2 (3)	Total/NA	Solid	8021B	48241
890-4212-3	CS-3 (3)	Total/NA	Solid	8021B	48241
890-4212-4	CS-4 (3)	Total/NA	Solid	8021B	48241
890-4212-5	CS-5 (3)	Total/NA	Solid	8021B	48241
890-4212-6	CS-6 (3)	Total/NA	Solid	8021B	48241
890-4212-7	CS-7 (3)	Total/NA	Solid	8021B	48241
890-4212-8	CS-8 (3)	Total/NA	Solid	8021B	48241
890-4212-9	CS-9 (3)	Total/NA	Solid	8021B	48241
890-4212-10	CS-10 (3)	Total/NA	Solid	8021B	48241
890-4212-11	CS-11 (3)	Total/NA	Solid	8021B	48241
890-4212-12	CS-12 (4)	Total/NA	Solid	8021B	48241
890-4212-13	CS-13 (3)	Total/NA	Solid	8021B	48241
890-4212-14	CS-14 (3)	Total/NA	Solid	8021B	48241
890-4212-15	CS-15 (4)	Total/NA	Solid	8021B	48241
890-4212-16	CS-16 (3)	Total/NA	Solid	8021B	48241
890-4212-17	CS-17 (3)	Total/NA	Solid	8021B	48241
890-4212-18	CS-18 (2)	Total/NA	Solid	8021B	48241
890-4212-19	CS-19 (2)	Total/NA	Solid	8021B	48241
890-4212-20	CS-20 (2)	Total/NA	Solid	8021B	48241
MB 880-48241/5-A	Method Blank	Total/NA	Solid	8021B	48241
MB 880-48442/5-A	Method Blank	Total/NA	Solid	8021B	48442
LCS 880-48241/1-A	Lab Control Sample	Total/NA	Solid	8021B	48241
LCSD 880-48241/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48241
890-4212-1 MS	CS-1 (4)	Total/NA	Solid	8021B	48241
890-4212-1 MSD	CS-1 (4)	Total/NA	Solid	8021B	48241

Prep Batch: 48442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48442/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

GC VOA

Analysis Batch: 48520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-21	CS-21 (2)	Total/NA	Solid	8021B	48243
890-4212-22	D-1 (0-6')	Total/NA	Solid	8021B	48243
890-4212-23	D-1 (1-1.5')	Total/NA	Solid	8021B	48243
890-4212-24	D-1 (2-2.5')	Total/NA	Solid	8021B	48243
890-4212-25	D-1 (3-3.5')	Total/NA	Solid	8021B	48243
890-4212-26	D-1 (4-4.5')	Total/NA	Solid	8021B	48243
890-4212-27	SW-1 (0-4')	Total/NA	Solid	8021B	48243
890-4212-28	SW-2 (0-3')	Total/NA	Solid	8021B	48243
890-4212-29	SW-3 (0-4')	Total/NA	Solid	8021B	48243
890-4212-30	SW-4 (0-3')	Total/NA	Solid	8021B	48243
MB 880-48243/5-A	Method Blank	Total/NA	Solid	8021B	48243
LCS 880-48243/1-A	Lab Control Sample	Total/NA	Solid	8021B	48243
LCSD 880-48243/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48243
890-4212-21 MS	CS-21 (2)	Total/NA	Solid	8021B	48243
890-4212-21 MSD	CS-21 (2)	Total/NA	Solid	8021B	48243

Analysis Batch: 48629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-1	CS-1 (4)	Total/NA	Solid	Total BTEX	
890-4212-2	CS-2 (3)	Total/NA	Solid	Total BTEX	
890-4212-3	CS-3 (3)	Total/NA	Solid	Total BTEX	
890-4212-4	CS-4 (3)	Total/NA	Solid	Total BTEX	
890-4212-5	CS-5 (3)	Total/NA	Solid	Total BTEX	
890-4212-6	CS-6 (3)	Total/NA	Solid	Total BTEX	
890-4212-7	CS-7 (3)	Total/NA	Solid	Total BTEX	
890-4212-8	CS-8 (3)	Total/NA	Solid	Total BTEX	
890-4212-9	CS-9 (3)	Total/NA	Solid	Total BTEX	
890-4212-10	CS-10 (3)	Total/NA	Solid	Total BTEX	
890-4212-11	CS-11 (3)	Total/NA	Solid	Total BTEX	
890-4212-12	CS-12 (4)	Total/NA	Solid	Total BTEX	
890-4212-13	CS-13 (3)	Total/NA	Solid	Total BTEX	
890-4212-14	CS-14 (3)	Total/NA	Solid	Total BTEX	
890-4212-15	CS-15 (4)	Total/NA	Solid	Total BTEX	
890-4212-16	CS-16 (3)	Total/NA	Solid	Total BTEX	
890-4212-17	CS-17 (3)	Total/NA	Solid	Total BTEX	
890-4212-18	CS-18 (2)	Total/NA	Solid	Total BTEX	
890-4212-19	CS-19 (2)	Total/NA	Solid	Total BTEX	
890-4212-20	CS-20 (2)	Total/NA	Solid	Total BTEX	
890-4212-21	CS-21 (2)	Total/NA	Solid	Total BTEX	
890-4212-22	D-1 (0-6')	Total/NA	Solid	Total BTEX	
890-4212-23	D-1 (1-1.5')	Total/NA	Solid	Total BTEX	
890-4212-24	D-1 (2-2.5')	Total/NA	Solid	Total BTEX	
890-4212-25	D-1 (3-3.5')	Total/NA	Solid	Total BTEX	
890-4212-26	D-1 (4-4.5')	Total/NA	Solid	Total BTEX	
890-4212-27	SW-1 (0-4')	Total/NA	Solid	Total BTEX	
890-4212-28	SW-2 (0-3')	Total/NA	Solid	Total BTEX	
890-4212-29	SW-3 (0-4')	Total/NA	Solid	Total BTEX	
890-4212-30	SW-4 (0-3')	Total/NA	Solid	Total BTEX	
890-4212-31	SW-5 (0-3')	Total/NA	Solid	Total BTEX	
890-4212-32	SW-6 (0-2')	Total/NA	Solid	Total BTEX	
890-4212-33	SW-7 (2-3')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

GC VOA (Continued)

Analysis Batch: 48629 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-34	SW-8 (3-4')	Total/NA	Solid	Total BTEX	
890-4212-35	SW-9 (3-4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 47811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-21	CS-21 (2)	Total/NA	Solid	8015NM Prep	
890-4212-22	D-1 (0-6')	Total/NA	Solid	8015NM Prep	
890-4212-23	D-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-4212-24	D-1 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-4212-25	D-1 (3-3.5')	Total/NA	Solid	8015NM Prep	
890-4212-26	D-1 (4-4.5')	Total/NA	Solid	8015NM Prep	
890-4212-27	SW-1 (0-4')	Total/NA	Solid	8015NM Prep	
890-4212-28	SW-2 (0-3')	Total/NA	Solid	8015NM Prep	
890-4212-29	SW-3 (0-4')	Total/NA	Solid	8015NM Prep	
890-4212-30	SW-4 (0-3')	Total/NA	Solid	8015NM Prep	
890-4212-31	SW-5 (0-3')	Total/NA	Solid	8015NM Prep	
890-4212-32	SW-6 (0-2')	Total/NA	Solid	8015NM Prep	
890-4212-33	SW-7 (2-3')	Total/NA	Solid	8015NM Prep	
890-4212-34	SW-8 (3-4')	Total/NA	Solid	8015NM Prep	
890-4212-35	SW-9 (3-4')	Total/NA	Solid	8015NM Prep	
MB 880-47811/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47811/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS D 880-47811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4212-21 MS	CS-21 (2)	Total/NA	Solid	8015NM Prep	
890-4212-21 MSD	CS-21 (2)	Total/NA	Solid	8015NM Prep	

Prep Batch: 47813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-1	CS-1 (4)	Total/NA	Solid	8015NM Prep	
890-4212-2	CS-2 (3)	Total/NA	Solid	8015NM Prep	
890-4212-3	CS-3 (3)	Total/NA	Solid	8015NM Prep	
890-4212-4	CS-4 (3)	Total/NA	Solid	8015NM Prep	
890-4212-5	CS-5 (3)	Total/NA	Solid	8015NM Prep	
890-4212-6	CS-6 (3)	Total/NA	Solid	8015NM Prep	
890-4212-7	CS-7 (3)	Total/NA	Solid	8015NM Prep	
890-4212-8	CS-8 (3)	Total/NA	Solid	8015NM Prep	
890-4212-9	CS-9 (3)	Total/NA	Solid	8015NM Prep	
890-4212-10	CS-10 (3)	Total/NA	Solid	8015NM Prep	
890-4212-11	CS-11 (3)	Total/NA	Solid	8015NM Prep	
890-4212-12	CS-12 (4)	Total/NA	Solid	8015NM Prep	
890-4212-13	CS-13 (3)	Total/NA	Solid	8015NM Prep	
890-4212-14	CS-14 (3)	Total/NA	Solid	8015NM Prep	
890-4212-15	CS-15 (4)	Total/NA	Solid	8015NM Prep	
890-4212-16	CS-16 (3)	Total/NA	Solid	8015NM Prep	
890-4212-17	CS-17 (3)	Total/NA	Solid	8015NM Prep	
890-4212-18	CS-18 (2)	Total/NA	Solid	8015NM Prep	
890-4212-19	CS-19 (2)	Total/NA	Solid	8015NM Prep	
890-4212-20	CS-20 (2)	Total/NA	Solid	8015NM Prep	
MB 880-47813/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

GC Semi VOA (Continued)

Prep Batch: 47813 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-47813/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4212-1 MS	CS-1 (4)	Total/NA	Solid	8015NM Prep	
890-4212-1 MSD	CS-1 (4)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-1	CS-1 (4)	Total/NA	Solid	8015B NM	47813
890-4212-2	CS-2 (3)	Total/NA	Solid	8015B NM	47813
890-4212-3	CS-3 (3)	Total/NA	Solid	8015B NM	47813
890-4212-4	CS-4 (3)	Total/NA	Solid	8015B NM	47813
890-4212-5	CS-5 (3)	Total/NA	Solid	8015B NM	47813
890-4212-6	CS-6 (3)	Total/NA	Solid	8015B NM	47813
890-4212-7	CS-7 (3)	Total/NA	Solid	8015B NM	47813
890-4212-8	CS-8 (3)	Total/NA	Solid	8015B NM	47813
890-4212-9	CS-9 (3)	Total/NA	Solid	8015B NM	47813
890-4212-10	CS-10 (3)	Total/NA	Solid	8015B NM	47813
890-4212-11	CS-11 (3)	Total/NA	Solid	8015B NM	47813
890-4212-12	CS-12 (4)	Total/NA	Solid	8015B NM	47813
890-4212-13	CS-13 (3)	Total/NA	Solid	8015B NM	47813
890-4212-14	CS-14 (3)	Total/NA	Solid	8015B NM	47813
890-4212-15	CS-15 (4)	Total/NA	Solid	8015B NM	47813
890-4212-16	CS-16 (3)	Total/NA	Solid	8015B NM	47813
890-4212-17	CS-17 (3)	Total/NA	Solid	8015B NM	47813
890-4212-18	CS-18 (2)	Total/NA	Solid	8015B NM	47813
890-4212-19	CS-19 (2)	Total/NA	Solid	8015B NM	47813
890-4212-20	CS-20 (2)	Total/NA	Solid	8015B NM	47813
MB 880-47813/1-A	Method Blank	Total/NA	Solid	8015B NM	47813
LCS 880-47813/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47813
LCSD 880-47813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47813
890-4212-1 MS	CS-1 (4)	Total/NA	Solid	8015B NM	47813
890-4212-1 MSD	CS-1 (4)	Total/NA	Solid	8015B NM	47813

Analysis Batch: 47830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-21	CS-21 (2)	Total/NA	Solid	8015B NM	47811
890-4212-22	D-1 (0-6')	Total/NA	Solid	8015B NM	47811
890-4212-23	D-1 (1-1.5')	Total/NA	Solid	8015B NM	47811
890-4212-24	D-1 (2-2.5')	Total/NA	Solid	8015B NM	47811
890-4212-25	D-1 (3-3.5')	Total/NA	Solid	8015B NM	47811
890-4212-26	D-1 (4-4.5')	Total/NA	Solid	8015B NM	47811
890-4212-27	SW-1 (0-4')	Total/NA	Solid	8015B NM	47811
890-4212-28	SW-2 (0-3')	Total/NA	Solid	8015B NM	47811
890-4212-29	SW-3 (0-4')	Total/NA	Solid	8015B NM	47811
890-4212-30	SW-4 (0-3')	Total/NA	Solid	8015B NM	47811
890-4212-31	SW-5 (0-3')	Total/NA	Solid	8015B NM	47811
890-4212-32	SW-6 (0-2')	Total/NA	Solid	8015B NM	47811
890-4212-33	SW-7 (2-3')	Total/NA	Solid	8015B NM	47811
890-4212-34	SW-8 (3-4')	Total/NA	Solid	8015B NM	47811
890-4212-35	SW-9 (3-4')	Total/NA	Solid	8015B NM	47811
MB 880-47811/1-A	Method Blank	Total/NA	Solid	8015B NM	47811

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QC Association Summary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

GC Semi VOA (Continued)

Analysis Batch: 47830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-47811/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47811
LCSD 880-47811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47811
890-4212-21 MS	CS-21 (2)	Total/NA	Solid	8015B NM	47811
890-4212-21 MSD	CS-21 (2)	Total/NA	Solid	8015B NM	47811

Analysis Batch: 47901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-1	CS-1 (4)	Total/NA	Solid	8015 NM	
890-4212-2	CS-2 (3)	Total/NA	Solid	8015 NM	
890-4212-3	CS-3 (3)	Total/NA	Solid	8015 NM	
890-4212-4	CS-4 (3)	Total/NA	Solid	8015 NM	
890-4212-5	CS-5 (3)	Total/NA	Solid	8015 NM	
890-4212-6	CS-6 (3)	Total/NA	Solid	8015 NM	
890-4212-7	CS-7 (3)	Total/NA	Solid	8015 NM	
890-4212-8	CS-8 (3)	Total/NA	Solid	8015 NM	
890-4212-9	CS-9 (3)	Total/NA	Solid	8015 NM	
890-4212-10	CS-10 (3)	Total/NA	Solid	8015 NM	
890-4212-11	CS-11 (3)	Total/NA	Solid	8015 NM	
890-4212-12	CS-12 (4)	Total/NA	Solid	8015 NM	
890-4212-13	CS-13 (3)	Total/NA	Solid	8015 NM	
890-4212-14	CS-14 (3)	Total/NA	Solid	8015 NM	
890-4212-15	CS-15 (4)	Total/NA	Solid	8015 NM	
890-4212-16	CS-16 (3)	Total/NA	Solid	8015 NM	
890-4212-17	CS-17 (3)	Total/NA	Solid	8015 NM	
890-4212-18	CS-18 (2)	Total/NA	Solid	8015 NM	
890-4212-19	CS-19 (2)	Total/NA	Solid	8015 NM	
890-4212-20	CS-20 (2)	Total/NA	Solid	8015 NM	
890-4212-21	CS-21 (2)	Total/NA	Solid	8015 NM	
890-4212-22	D-1 (0-6')	Total/NA	Solid	8015 NM	
890-4212-23	D-1 (1-1.5')	Total/NA	Solid	8015 NM	
890-4212-24	D-1 (2-2.5')	Total/NA	Solid	8015 NM	
890-4212-25	D-1 (3-3.5')	Total/NA	Solid	8015 NM	
890-4212-26	D-1 (4-4.5')	Total/NA	Solid	8015 NM	
890-4212-27	SW-1 (0-4')	Total/NA	Solid	8015 NM	
890-4212-28	SW-2 (0-3')	Total/NA	Solid	8015 NM	
890-4212-29	SW-3 (0-4')	Total/NA	Solid	8015 NM	
890-4212-30	SW-4 (0-3')	Total/NA	Solid	8015 NM	
890-4212-31	SW-5 (0-3')	Total/NA	Solid	8015 NM	
890-4212-32	SW-6 (0-2')	Total/NA	Solid	8015 NM	
890-4212-33	SW-7 (2-3')	Total/NA	Solid	8015 NM	
890-4212-34	SW-8 (3-4')	Total/NA	Solid	8015 NM	
890-4212-35	SW-9 (3-4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-31	SW-5 (0-3')	Soluble	Solid	DI Leach	
890-4212-32	SW-6 (0-2')	Soluble	Solid	DI Leach	
890-4212-33	SW-7 (2-3')	Soluble	Solid	DI Leach	
890-4212-34	SW-8 (3-4')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

HPLC/IC (Continued)

Leach Batch: 47837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-35	SW-9 (3-4')	Soluble	Solid	DI Leach	
MB 880-47837/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47837/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47837/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4205-A-61-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4205-A-61-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 47843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-1	CS-1 (4)	Soluble	Solid	DI Leach	
890-4212-2	CS-2 (3)	Soluble	Solid	DI Leach	
890-4212-3	CS-3 (3)	Soluble	Solid	DI Leach	
890-4212-4	CS-4 (3)	Soluble	Solid	DI Leach	
890-4212-5	CS-5 (3)	Soluble	Solid	DI Leach	
890-4212-6	CS-6 (3)	Soluble	Solid	DI Leach	
890-4212-7	CS-7 (3)	Soluble	Solid	DI Leach	
890-4212-8	CS-8 (3)	Soluble	Solid	DI Leach	
890-4212-9	CS-9 (3)	Soluble	Solid	DI Leach	
890-4212-10	CS-10 (3)	Soluble	Solid	DI Leach	
890-4212-11	CS-11 (3)	Soluble	Solid	DI Leach	
890-4212-12	CS-12 (4)	Soluble	Solid	DI Leach	
890-4212-13	CS-13 (3)	Soluble	Solid	DI Leach	
890-4212-14	CS-14 (3)	Soluble	Solid	DI Leach	
890-4212-15	CS-15 (4)	Soluble	Solid	DI Leach	
890-4212-16	CS-16 (3)	Soluble	Solid	DI Leach	
890-4212-17	CS-17 (3)	Soluble	Solid	DI Leach	
890-4212-18	CS-18 (2)	Soluble	Solid	DI Leach	
890-4212-19	CS-19 (2)	Soluble	Solid	DI Leach	
890-4212-20	CS-20 (2)	Soluble	Solid	DI Leach	
MB 880-47843/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47843/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47843/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4212-1 MS	CS-1 (4)	Soluble	Solid	DI Leach	
890-4212-1 MSD	CS-1 (4)	Soluble	Solid	DI Leach	
890-4212-11 MS	CS-11 (3)	Soluble	Solid	DI Leach	
890-4212-11 MSD	CS-11 (3)	Soluble	Solid	DI Leach	

Leach Batch: 47844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-21	CS-21 (2)	Soluble	Solid	DI Leach	
890-4212-22	D-1 (0-6')	Soluble	Solid	DI Leach	
890-4212-23	D-1 (1-1.5')	Soluble	Solid	DI Leach	
890-4212-24	D-1 (2-2.5')	Soluble	Solid	DI Leach	
890-4212-25	D-1 (3-3.5')	Soluble	Solid	DI Leach	
890-4212-26	D-1 (4-4.5')	Soluble	Solid	DI Leach	
890-4212-27	SW-1 (0-4')	Soluble	Solid	DI Leach	
890-4212-28	SW-2 (0-3')	Soluble	Solid	DI Leach	
890-4212-29	SW-3 (0-4')	Soluble	Solid	DI Leach	
890-4212-30	SW-4 (0-3')	Soluble	Solid	DI Leach	
MB 880-47844/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47844/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

HPLC/IC (Continued)

Leach Batch: 47844 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-47844/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4212-21 MS	CS-21 (2)	Soluble	Solid	DI Leach	
890-4212-21 MSD	CS-21 (2)	Soluble	Solid	DI Leach	

Analysis Batch: 48003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-31	SW-5 (0-3')	Soluble	Solid	300.0	47837
890-4212-32	SW-6 (0-2')	Soluble	Solid	300.0	47837
890-4212-33	SW-7 (2-3')	Soluble	Solid	300.0	47837
890-4212-34	SW-8 (3-4')	Soluble	Solid	300.0	47837
890-4212-35	SW-9 (3-4')	Soluble	Solid	300.0	47837
MB 880-47837/1-A	Method Blank	Soluble	Solid	300.0	47837
LCS 880-47837/2-A	Lab Control Sample	Soluble	Solid	300.0	47837
LCSD 880-47837/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47837
890-4205-A-61-E MS	Matrix Spike	Soluble	Solid	300.0	47837
890-4205-A-61-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	47837

Analysis Batch: 48106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-1	CS-1 (4)	Soluble	Solid	300.0	47843
890-4212-2	CS-2 (3)	Soluble	Solid	300.0	47843
890-4212-3	CS-3 (3)	Soluble	Solid	300.0	47843
890-4212-4	CS-4 (3)	Soluble	Solid	300.0	47843
890-4212-5	CS-5 (3)	Soluble	Solid	300.0	47843
890-4212-6	CS-6 (3)	Soluble	Solid	300.0	47843
890-4212-7	CS-7 (3)	Soluble	Solid	300.0	47843
890-4212-8	CS-8 (3)	Soluble	Solid	300.0	47843
890-4212-9	CS-9 (3)	Soluble	Solid	300.0	47843
890-4212-10	CS-10 (3)	Soluble	Solid	300.0	47843
890-4212-11	CS-11 (3)	Soluble	Solid	300.0	47843
890-4212-12	CS-12 (4)	Soluble	Solid	300.0	47843
890-4212-13	CS-13 (3)	Soluble	Solid	300.0	47843
890-4212-14	CS-14 (3)	Soluble	Solid	300.0	47843
890-4212-15	CS-15 (4)	Soluble	Solid	300.0	47843
890-4212-16	CS-16 (3)	Soluble	Solid	300.0	47843
890-4212-17	CS-17 (3)	Soluble	Solid	300.0	47843
890-4212-18	CS-18 (2)	Soluble	Solid	300.0	47843
890-4212-19	CS-19 (2)	Soluble	Solid	300.0	47843
890-4212-20	CS-20 (2)	Soluble	Solid	300.0	47843
MB 880-47843/1-A	Method Blank	Soluble	Solid	300.0	47843
LCS 880-47843/2-A	Lab Control Sample	Soluble	Solid	300.0	47843
LCSD 880-47843/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47843
890-4212-1 MS	CS-1 (4)	Soluble	Solid	300.0	47843
890-4212-1 MSD	CS-1 (4)	Soluble	Solid	300.0	47843
890-4212-11 MS	CS-11 (3)	Soluble	Solid	300.0	47843
890-4212-11 MSD	CS-11 (3)	Soluble	Solid	300.0	47843

Analysis Batch: 48108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-21	CS-21 (2)	Soluble	Solid	300.0	47844
890-4212-22	D-1 (0-6')	Soluble	Solid	300.0	47844

Eurofins Carlsbad

QC Association Summary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

HPLC/IC (Continued)

Analysis Batch: 48108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4212-23	D-1 (1-1.5')	Soluble	Solid	300.0	47844
890-4212-24	D-1 (2-2.5')	Soluble	Solid	300.0	47844
890-4212-25	D-1 (3-3.5')	Soluble	Solid	300.0	47844
890-4212-26	D-1 (4-4.5')	Soluble	Solid	300.0	47844
890-4212-27	SW-1 (0-4')	Soluble	Solid	300.0	47844
890-4212-28	SW-2 (0-3')	Soluble	Solid	300.0	47844
890-4212-29	SW-3 (0-4')	Soluble	Solid	300.0	47844
890-4212-30	SW-4 (0-3')	Soluble	Solid	300.0	47844
MB 880-47844/1-A	Method Blank	Soluble	Solid	300.0	47844
LCS 880-47844/2-A	Lab Control Sample	Soluble	Solid	300.0	47844
LCSD 880-47844/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47844
890-4212-21 MS	CS-21 (2)	Soluble	Solid	300.0	47844
890-4212-21 MSD	CS-21 (2)	Soluble	Solid	300.0	47844

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-1 (4)

Lab Sample ID: 890-4212-1

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 02:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 08:32	SMC	EET MID

Client Sample ID: CS-2 (3)

Lab Sample ID: 890-4212-2

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 02:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 12:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 08:47	SMC	EET MID

Client Sample ID: CS-3 (3)

Lab Sample ID: 890-4212-3

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 02:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 12:28	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 08:52	SMC	EET MID

Client Sample ID: CS-4 (3)

Lab Sample ID: 890-4212-4

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 03:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-4 (3)

Lab Sample ID: 890-4212-4

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 08:56	SMC	EET MID

Client Sample ID: CS-5 (3)

Lab Sample ID: 890-4212-5

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 13:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 09:01	SMC	EET MID

Client Sample ID: CS-6 (3)

Lab Sample ID: 890-4212-6

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 04:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 13:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 09:16	SMC	EET MID

Client Sample ID: CS-7 (3)

Lab Sample ID: 890-4212-7

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 04:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 13:56	SM	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-7 (3)

Lab Sample ID: 890-4212-7

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 09:21	SMC	EET MID

Client Sample ID: CS-8 (3)

Lab Sample ID: 890-4212-8

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 05:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 14:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 09:26	SMC	EET MID

Client Sample ID: CS-9 (3)

Lab Sample ID: 890-4212-9

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 05:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 14:41	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 09:30	SMC	EET MID

Client Sample ID: CS-10 (3)

Lab Sample ID: 890-4212-10

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 06:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 09:35	SMC	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-11 (3)

Lab Sample ID: 890-4212-11

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 07:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 15:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 09:40	SMC	EET MID

Client Sample ID: CS-12 (4)

Lab Sample ID: 890-4212-12

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 08:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 16:10	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 09:55	SMC	EET MID

Client Sample ID: CS-13 (3)

Lab Sample ID: 890-4212-13

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 08:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 09:59	SMC	EET MID

Client Sample ID: CS-14 (3)

Lab Sample ID: 890-4212-14

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 09:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-14 (3)

Lab Sample ID: 890-4212-14

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 16:54	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 10:14	SMC	EET MID

Client Sample ID: CS-15 (4)

Lab Sample ID: 890-4212-15

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 09:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 17:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 10:19	SMC	EET MID

Client Sample ID: CS-16 (3)

Lab Sample ID: 890-4212-16

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 10:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 17:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 10:24	SMC	EET MID

Client Sample ID: CS-17 (3)

Lab Sample ID: 890-4212-17

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 10:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 18:00	SM	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-17 (3)

Lab Sample ID: 890-4212-17

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 10:29	SMC	EET MID

Client Sample ID: CS-18 (2)

Lab Sample ID: 890-4212-18

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 10:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 18:22	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 10:34	SMC	EET MID

Client Sample ID: CS-19 (2)

Lab Sample ID: 890-4212-19

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 11:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 18:45	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 10:38	SMC	EET MID

Client Sample ID: CS-20 (2)

Lab Sample ID: 890-4212-20

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48241	03/09/23 15:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/14/23 11:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47813	03/04/23 11:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47826	03/05/23 19:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47843	03/05/23 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48106	03/08/23 10:43	SMC	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: CS-21 (2)

Lab Sample ID: 890-4212-21

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 19:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48108	03/08/23 09:43	SMC	EET MID

Client Sample ID: D-1 (0-6')

Lab Sample ID: 890-4212-22

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 19:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 12:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48108	03/08/23 10:01	SMC	EET MID

Client Sample ID: D-1 (1-1.5')

Lab Sample ID: 890-4212-23

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 20:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 12:26	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48108	03/08/23 10:07	SMC	EET MID

Client Sample ID: D-1 (2-2.5')

Lab Sample ID: 890-4212-24

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 20:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: D-1 (2-2.5')

Lab Sample ID: 890-4212-24

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 12:49	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48108	03/08/23 10:13	SMC	EET MID

Client Sample ID: D-1 (3-3.5')

Lab Sample ID: 890-4212-25

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 20:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 13:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48108	03/08/23 10:38	SMC	EET MID

Client Sample ID: D-1 (4-4.5')

Lab Sample ID: 890-4212-26

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 21:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 13:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48108	03/08/23 10:57	SMC	EET MID

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

Lab Sample ID: 890-4212-27

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 21:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 13:53	SM	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

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

Lab Sample ID: 890-4212-27

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48108	03/08/23 11:03	SMC	EET MID

Client Sample ID: SW-2 (0-3')

Lab Sample ID: 890-4212-28

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 21:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48108	03/08/23 11:09	SMC	EET MID

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

Lab Sample ID: 890-4212-29

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 22:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 14:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48108	03/08/23 11:15	SMC	EET MID

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

Lab Sample ID: 890-4212-30

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	48243	03/09/23 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48520	03/13/23 22:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 14:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47844	03/05/23 14:47	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48108	03/08/23 11:21	SMC	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: SW-5 (0-3')

Lab Sample ID: 890-4212-31

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 15:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 15:42	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47837	03/05/23 14:39	CH	EET MID
Soluble	Analysis	300.0		1			48003	03/07/23 13:05	SMC	EET MID

Client Sample ID: SW-6 (0-2')

Lab Sample ID: 890-4212-32

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 15:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 16:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47837	03/05/23 14:39	CH	EET MID
Soluble	Analysis	300.0		1			48003	03/07/23 13:11	SMC	EET MID

Client Sample ID: SW-7 (2-3')

Lab Sample ID: 890-4212-33

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 17:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 16:24	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47837	03/05/23 14:39	CH	EET MID
Soluble	Analysis	300.0		1			48003	03/07/23 13:17	SMC	EET MID

Client Sample ID: SW-8 (3-4')

Lab Sample ID: 890-4212-34

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Client Sample ID: SW-8 (3-4')

Lab Sample ID: 890-4212-34

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

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			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 16:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47837	03/05/23 14:39	CH	EET MID
Soluble	Analysis	300.0		1			48003	03/07/23 13:29	SMC	EET MID

Client Sample ID: SW-9 (3-4')

Lab Sample ID: 890-4212-35

Date Collected: 02/28/23 00:00

Matrix: Solid

Date Received: 02/28/23 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 17:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47901	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.031 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 17:07	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47837	03/05/23 14:39	CH	EET MID
Soluble	Analysis	300.0		1			48003	03/07/23 13:23	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
SDG: 236769

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	T104704400-22-25	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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- 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:

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



Sample Summary

Client: NT Global
 Project/Site: Bodacious 5 32 Fed

Job ID: 890-4212-1
 SDG: 236769

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4212-1	CS-1 (4)	Solid	02/28/23 00:00	02/28/23 16:51	4
890-4212-2	CS-2 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-3	CS-3 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-4	CS-4 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-5	CS-5 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-6	CS-6 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-7	CS-7 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-8	CS-8 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-9	CS-9 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-10	CS-10 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-11	CS-11 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-12	CS-12 (4)	Solid	02/28/23 00:00	02/28/23 16:51	4
890-4212-13	CS-13 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-14	CS-14 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-15	CS-15 (4)	Solid	02/28/23 00:00	02/28/23 16:51	4
890-4212-16	CS-16 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-17	CS-17 (3)	Solid	02/28/23 00:00	02/28/23 16:51	3
890-4212-18	CS-18 (2)	Solid	02/28/23 00:00	02/28/23 16:51	2
890-4212-19	CS-19 (2)	Solid	02/28/23 00:00	02/28/23 16:51	2
890-4212-20	CS-20 (2)	Solid	02/28/23 00:00	02/28/23 16:51	2
890-4212-21	CS-21 (2)	Solid	02/28/23 00:00	02/28/23 16:51	2
890-4212-22	D-1 (0-6')	Solid	02/28/23 00:00	02/28/23 16:51	0 - 6
890-4212-23	D-1 (1-1.5')	Solid	02/28/23 00:00	02/28/23 16:51	1 - 1.5
890-4212-24	D-1 (2-2.5')	Solid	02/28/23 00:00	02/28/23 16:51	2 - 2.5
890-4212-25	D-1 (3-3.5')	Solid	02/28/23 00:00	02/28/23 16:51	3 - 3.5
890-4212-26	D-1 (4-4.5')	Solid	02/28/23 00:00	02/28/23 16:51	4 - 4.5
890-4212-27	SW-1 (0-4')	Solid	02/28/23 00:00	02/28/23 16:51	0 - 4
890-4212-28	SW-2 (0-3')	Solid	02/28/23 00:00	02/28/23 16:51	0 - 3
890-4212-29	SW-3 (0-4')	Solid	02/28/23 00:00	02/28/23 16:51	0 - 4
890-4212-30	SW-4 (0-3')	Solid	02/28/23 00:00	02/28/23 16:51	0 - 3
890-4212-31	SW-5 (0-3')	Solid	02/28/23 00:00	02/28/23 16:51	0 - 3
890-4212-32	SW-6 (0-2')	Solid	02/28/23 00:00	02/28/23 16:51	0 - 2
890-4212-33	SW-7 (2-3')	Solid	02/28/23 00:00	02/28/23 16:51	2 - 3
890-4212-34	SW-8 (3-4')	Solid	02/28/23 00:00	02/28/23 16:51	3 - 4
890-4212-35	SW-9 (3-4')	Solid	02/28/23 00:00	02/28/23 16:51	3 - 4

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Chain of Custody

Work Order No: _____

Page 1 of 4

Project Manager: Becky Haskell
 Company Name: NTG Environmental
 Address: 701 Tradewinds Blvd.
 City, State ZIP: Midland TX, 79701
 Phone: 432-766-1918
 Email: cmartin@earthstoneenergy.com

Bill to: (if different) Chris Martin
 Company Name: Earthstone Operating LLC
 Address: 600 N. Marrenfield, Suite 1000
 City, State ZIP: Midland TX, 79701

Work Order Comments: PR Brownfield R Super

Program: UST/PS Level PST/UV TRP L&B

State of Project: Level Level PST/UV TRP L&B

Reporting: Level Level PST/UV TRP L&B

Deliverables: EDD ADAPT Other:

Project Name: Bodacious 5 32 Fed Com 3BS #004H
 Project Number: 236769
 Project Location: Eddy CO, NM
 Sampler's Name: Kenny Han
 PO #: _____

Turn Around: Routine Rush
 Due Date: _____
 TAT starts the day received by the lab. If received by 4:30pm

Temp Blank: Yes No
 Received Intact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers: 35

Thermometer ID: TW10007
 Correction Factor: -0.02
 Temperature Reading: 24.6
 Corrected Temperature: 24.4

Well Ice: Yes No

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS-1 (4)	2/28/2023		X		Comp	1	X	X	X	
CS-2 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-3 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-4 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-5 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-6 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-7 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-8 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-9 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-10 (3)	2/28/2023		X		Comp	1	X	X	X	

Additional Comments: Billing Code: EAROPEMTX

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/28/23 11:51			



Chain of Custody

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Work Order No: _____

Page 2 of 4

Project Manager: Becky Haskell
 Company Name: NTG Environmental
 Address: 701 Tradewinds Blvd.
 City, State ZIP: Midland TX, 79701
 Phone: 432-766-1918

Bill to: (if different) Chris Martin
 Company Name: Earthstone Operating LLC
 Address: 600 N. Marientfeld, Suite 1000
 City, State ZIP: Midland TX, 79701
 Email: cmartin@earthstoneenergy.com

Work Order Comments
 Program: UST/PSI PR Brownfield R Superfund
 State of Project: Reporting Level Level PST/UT TR L B
 Deliverables: EDD ADAPT Other: _____

Project Name: Bodacious 5 32 Fed Com 3BS #004H
 Project Number: 236769
 Project Location: Eddy CO, NM
 Sampler's Name: Kenny Han
 PO #: _____

Turn Around: Routine Rush
 Due Date: _____
 TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes No
 Received Intact: Yes No
 Cooler Custody Seals: Yes No N/A
 Sample Custody Seals: Yes No N/A
 Total Containers: 35

Thermometer ID: _____
 Correction Factor: _____
 Temperature Reading: _____
 Corrected Temperature: _____

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS-11 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-12 (4)	2/28/2023		X		Comp	1	X	X	X	
CS-13 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-14 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-15 (4)	2/28/2023		X		Comp	1	X	X	X	
CS-16 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-17 (3)	2/28/2023		X		Comp	1	X	X	X	
CS-18 (2)	2/28/2023		X		Comp	1	X	X	X	
CS-19 (2)	2/28/2023		X		Comp	1	X	X	X	
CS-20 (2)	2/28/2023		X		Comp	1	X	X	X	

Additional Comments: Billing Code: EAROPEMTX

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Chain of Custody

Work Order No: _____

Page 3 of 4

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tridemics Blvd.	Address:	600 N. Marnefield, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-786-1918	Email:	martin@earthstoneenergy.com

Program:	U/STP	PR	Brownfield	R	Super	
State of Project:						
Reporting Level:	<input type="checkbox"/>	Level	<input type="checkbox"/>	PST/UT	TR	LD
Deliverables:	EDD	<input type="checkbox"/>	ADAP	<input type="checkbox"/>	Other:	

Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-21 (2)	2/28/2023		X		Comp	1	BTEX 8021B		None: NO	DI Water: H ₂ O
MS-22 (0-3)	2/28/2023		X		Comp	1	TPH 8015M (GRO + DRO + MRO)		Cool: Cool	MtOH: Mt
MS-22 (1-1)	2/28/2023		X		Comp	1	Chloride 4500		HCl: HC	HNO ₃ : HN
MS-22 (2-2)	2/28/2023		X		Comp	1			H ₂ SO ₄ : H ₂	NaOH: Na
MS-22 (3-3)	2/28/2023		X		Comp	1			H ₂ PO ₄ : HP	
SW-1 (0-4')	2/28/2023		X		Comp	1			NaHSO ₃ : NABIS	
SW-2 (0-3')	2/28/2023		X		Comp	1			Na ₂ S ₂ O ₅ : NaSO ₃	
SW-3 (0-4')	2/28/2023		X		Comp	1			Zn Acetate+NaOH: Zn	
SW-4 (0-3')	2/28/2023		X		Comp	1			NaOH+Ascorbic Acid: SAACP	

Additional Comments: Billing Code: EA90EMTX

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	[Signature]			[Signature]	
	[Signature]			[Signature]	
	[Signature]			[Signature]	
	[Signature]			[Signature]	

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Chain of Custody

Work Order No: _____

Page 4 of 4

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd	Address:	600 N. Marientfield, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting Level:	<input type="checkbox"/> Level <input type="checkbox"/> PST/UT <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAP <input type="checkbox"/> Other: _____

Project Name:	Bodacious 5 32 Fed Com 3BS #004H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST	Preservative Codes
Project Number:	236769	Due Date:					None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NASSO ₅ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SACP
Project Location:	Eddy CO, NM	TAT starts the day received by the lab, if received by 4:30pm					
Sampler's Name:	Kenny Han	Temp Blank:	Yes No	Wet Ice:	Yes No		
PO #:		Received Intact:	Yes No	Thermometer ID:			
SAMPLE RECEIPT		Cooler Custody Seals:	Yes No N/A	Correction Factor:			
		Sample Custody Seals:	Yes No N/A	Temperature Reading:			
Total Containers:	35	Corrected Temperature:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
SW-5 (0-3')	2/28/2023		X		Comp	1	X	X	X	
SW-6 (0-2')	2/28/2023		X		Comp	1	X	X	X	
SW-7 (2-3')	2/28/2023		X		Comp	1	X	X	X	
SW-8 (3-4')	2/28/2023		X		Comp	1	X	X	X	
SW-9 (3-4')	2/28/2023		X		Comp	1	X	X	X	

Additional Comments: _____ Billing Code: EAROPEMTX

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4212-1

SDG Number: 236769

Login Number: 4212

List Number: 1

Creator: Clifton, Cloe

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.	N/A	Refer to Job Narrative for details.
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	

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Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4212-1

SDG Number: 236769

Login Number: 4212

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 03/02/23 12:31 PM

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

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

March 22, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BODACIOUS 5 32 FED COM 3BS #4H

Enclosed are the results of analyses for samples received by the laboratory on 03/21/23 9:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	BODACIOUS 5 32 FED COM 3BS #4H	Sampling Condition:	Cool & Intact
Project Number:	236769	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: CS - 1A (5') (H231265-01)

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	03/21/2023	ND	2.03	102	2.00	1.54	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.10	105	2.00	1.31	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.36	106	6.00	1.10	
Total BTEX	<0.300	0.300	03/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/21/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	164	81.9	200	3.79	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	177	88.7	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	BODACIOUS 5 32 FED COM 3BS #4H	Sampling Condition:	Cool & Intact
Project Number:	236769	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: SW - 7A (2'-3') (H231265-02)

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	03/21/2023	ND	2.03	102	2.00	1.54		
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.10	105	2.00	1.31		
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.36	106	6.00	1.10		
Total BTEX	<0.300	0.300	03/21/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	164	81.9	200	3.79		
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	177	88.7	200	3.84		
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND						

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	BODACIOUS 5 32 FED COM 3BS #4H	Sampling Condition:	Cool & Intact
Project Number:	236769	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: ND (0-5") (H231265-03)

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	03/21/2023	ND	2.03	102	2.00	1.54	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.10	105	2.00	1.31	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.36	106	6.00	1.10	
Total BTEX	<0.300	0.300	03/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/21/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	164	81.9	200	3.79	
DRO >C10-C28*	47.7	10.0	03/22/2023	ND	177	88.7	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	BODACIOUS 5 32 FED COM 3BS #4H	Sampling Condition:	Cool & Intact
Project Number:	236769	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: WD (0-5") (H231265-04)

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	03/21/2023	ND	2.03	102	2.00	1.54	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.10	105	2.00	1.31	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.36	106	6.00	1.10	
Total BTEX	<0.300	0.300	03/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/21/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	164	81.9	200	3.79	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	177	88.7	200	3.84	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	BODACIOUS 5 32 FED COM 3BS #4H	Sampling Condition:	Cool & Intact
Project Number:	236769	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: SD (0-5") (H231265-05)

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	03/21/2023	ND	2.03	102	2.00	1.54	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.10	105	2.00	1.31	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.36	106	6.00	1.10	
Total BTEX	<0.300	0.300	03/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/21/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	164	81.9	200	3.79		
DRO >C10-C28*	3620	10.0	03/22/2023	ND	177	88.7	200	3.84		
EXT DRO >C28-C36	1060	10.0	03/22/2023	ND						

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 236 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 1932105

Page 1 of 1

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

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

Project Name:	Bodacious 5 32 Fed Com 3BS #4H	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	24HR	Pres. Code	
Project Number:	236769						
Project Location:	Lea County						
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm					
PO #:							
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Received In tact:	Thermometer ID:	113					
Cooler Custody Seals:	Correction Factor:	-0.01					
Sample Custody Seals:	Temperature Reading:	-1.8					
Total Containers:	Corrected Temperature:	-2.4					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		ANALYSIS REQUEST	Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)		
CS-1A (5')	3/20/2023		X		Comp	1	X	X		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NAHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₅ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
SW-7A (2'-3')	3/20/2023		X		Comp	1	X	X		
ND (0-5")	3/20/2023		X		Grab/	1	X	X		
WD (0-5")	3/20/2023		X		Grab/	1	X	X		
SD (0-5")	3/20/2023		X		Grab/	1	X	X		

Additional Comments: Billing Code: EAROPEMTX

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	3/16/23 0915			



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

March 30, 2023

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

RE: BODACIOUS 5 32 FED COM 3BS #4H

Enclosed are the results of analyses for samples received by the laboratory on 03/24/23 16:00.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: BODACIOUS 5 32 FED COM 3BS # Project Number: 236769 Project Manager: BECKY HASKELL Fax To:	Reported: 30-Mar-23 08:43
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 22	H231368-01	Soil	24-Mar-23 00:00	24-Mar-23 16:00
SW - 10 0-1'	H231368-02	Soil	24-Mar-23 00:00	24-Mar-23 16:00

03/30/23 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 03/29/23.

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: BODACIOUS 5 32 FED COM 3BS # Project Number: 236769 Project Manager: BECKY HASKELL Fax To:	Reported: 30-Mar-23 08:43
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**CS - 22
H231368-01 (Soil)**

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

Inorganic Compounds

Chloride	256		16.0	mg/kg	4	3032813	AC	28-Mar-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032711	JH	27-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032711	JH	27-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032711	JH	27-Mar-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3032711	JH	27-Mar-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3032711	JH	27-Mar-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			128 %	71.5-134		3032711	JH	27-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3032704	MS	28-Mar-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3032704	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3032704	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			96.4 %	48.2-134		3032704	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			107 %	49.1-148		3032704	MS	28-Mar-23	8015B	
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Analytical Results For:

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

Project: BODACIOUS 5 32 FED COM 3BS #
Project Number: 236769
Project Manager: BECKY HASKELL
Fax To:

Reported:
30-Mar-23 08:43

SW - 10 0-1'
H231368-02 (Soil)

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

Chloride	240		16.0	mg/kg	4	3032813	AC	28-Mar-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032711	JH	27-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032711	JH	27-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032711	JH	27-Mar-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3032711	JH	27-Mar-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3032711	JH	27-Mar-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			131 %		71.5-134	3032711	JH	27-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3032704	MS	28-Mar-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3032704	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3032704	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.5 %		48.2-134	3032704	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %		49.1-148	3032704	MS	28-Mar-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: BODACIOUS 5 32 FED COM 3BS # Project Number: 236769 Project Manager: BECKY HASKELL Fax To:	Reported: 30-Mar-23 08:43
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3032813 - 1:4 DI Water										
Blank (3032813-BLK1)										
Prepared & Analyzed: 28-Mar-23										
Chloride	ND	16.0	mg/kg							
LCS (3032813-BS1)										
Prepared & Analyzed: 28-Mar-23										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3032813-BSD1)										
Prepared & Analyzed: 28-Mar-23										
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Analytical Results For:

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

Project: BODACIOUS 5 32 FED COM 3BS #4
Project Number: 236769
Project Manager: BECKY HASKELL
Fax To:

Reported:
30-Mar-23 08:43

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3032711 - Volatiles**Blank (3032711-BLK1)**

Prepared & Analyzed: 27-Mar-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0637		mg/kg	0.0500		127	71.5-134			

LCS (3032711-BS1)

Prepared: 27-Mar-23 Analyzed: 28-Mar-23

Benzene	1.93	0.050	mg/kg	2.00		96.7	81.4-118			
Toluene	1.97	0.050	mg/kg	2.00		98.3	88.7-121			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	86.1-120			
m,p-Xylene	4.00	0.100	mg/kg	4.00		100	88.2-124			
o-Xylene	2.02	0.050	mg/kg	2.00		101	84.9-118			
Total Xylenes	6.02	0.150	mg/kg	6.00		100	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0477		mg/kg	0.0500		95.4	71.5-134			

LCS Dup (3032711-BSD1)

Prepared: 27-Mar-23 Analyzed: 28-Mar-23

Benzene	1.97	0.050	mg/kg	2.00		98.5	81.4-118	1.83	15.8	
Toluene	1.98	0.050	mg/kg	2.00		99.0	88.7-121	0.655	15.9	
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.1	86.1-120	0.959	16	
m,p-Xylene	3.94	0.100	mg/kg	4.00		98.4	88.2-124	1.65	16.2	
o-Xylene	1.98	0.050	mg/kg	2.00		98.8	84.9-118	2.25	16.7	
Total Xylenes	5.91	0.150	mg/kg	6.00		98.5	87.3-122	1.85	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0466		mg/kg	0.0500		93.2	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: BODACIOUS 5 32 FED COM 3BS # Project Number: 236769 Project Manager: BECKY HASKELL Fax To:	Reported: 30-Mar-23 08:43
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3032704 - General Prep - Organics

Blank (3032704-BLK1)			Prepared & Analyzed: 27-Mar-23							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.7	48.2-134			
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0		98.4	49.1-148			

LCS (3032704-BS1)			Prepared & Analyzed: 27-Mar-23							
GRO C6-C10	189	10.0	mg/kg	200		94.3	78.5-124			
DRO >C10-C28	182	10.0	mg/kg	200		90.8	72.5-126			
Total TPH C6-C28	370	10.0	mg/kg	400		92.5	77.6-123			
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.0		92.2	48.2-134			
Surrogate: 1-Chlorooctadecane	46.5		mg/kg	50.0		93.0	49.1-148			

LCS Dup (3032704-BSD1)			Prepared & Analyzed: 27-Mar-23							
GRO C6-C10	197	10.0	mg/kg	200		98.4	78.5-124	4.26	17.7	
DRO >C10-C28	192	10.0	mg/kg	200		96.2	72.5-126	5.77	21	
Total TPH C6-C28	389	10.0	mg/kg	400		97.3	77.6-123	5.00	18.5	
Surrogate: 1-Chlorooctane	49.5		mg/kg	50.0		99.0	48.2-134			
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0		99.0	49.1-148			

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*=Accredited Analyte

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Bill to: Cmrtn @ Earthstone Energy . com

ANALYSIS REQUEST

Company Name: <i>New Tech Global Environmental</i> Project Manager: <i>Jakey Haskell</i> Address: <i>701 Tradewinds Blvd</i> City: <i>Midland</i> State: <i>TX</i> Zip: <i>79701</i> Phone #: <i>432-766-1918</i> Fax #: _____ Project #: <i>236769</i> Project Owner: _____ Project Name: <i>Behavior 5 32 Fed Cum 385 #4H</i> Project Location: <i>Fedy Co, NM</i> Sampler Name: <i>Lenny Han</i>		P.O. #: _____ Company: <i>Earthstone</i> Attn: <i>Chris Martin</i> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
BILL TO			
Lab I.D.: <i>H231368</i> Sample I.D.: <i>*SOL 3/20/23</i> <i>SP CS-22 41</i> <i>SP SW-ID 0-1'</i>		(G)RAB OR (C)OMP. <i>C 1</i> # CONTAINERS <i>1</i> MATRIX: SOIL <i>X</i> OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____	
Date: <i>3/24/23</i> Time: <i>11:00</i> Date: _____ Time: _____		RECEIVED BY: <i>[Signature]</i> DATE: <i>3/24</i> TIME: <i>1</i>	
Relinquished By: <i>[Signature]</i> Received By: <i>[Signature]</i>		Turnaround Time: _____ Standard <input checked="" type="checkbox"/> <i>RUSH</i> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> <i>Yes</i> <input type="checkbox"/> <i>No</i> Corrected Temp. °C _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <i>0.1°C</i> Corrected Temp. °C <i>0.7°C</i>		REMARKS: <i>* customer requested sample name change: 3/30/23</i> <i>Billing code: EARTHSTONE</i> Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	

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

District I
 1625 N. French Dr., Hobbs, NM 88240
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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 204862

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 204862
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Earthstone's deferral requests to complete final remediation during any future major construction/alteration or final plugging/abandonment, whichever occurs first. NTG Environmental and Earthstone do not believe deferral will result in imminent risk to human health, the environment, or groundwater. The area requested for deferral is "D-1". The area has been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. This is a federal site and will require like approval from the BLM.	8/24/2023