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

December 19, 2022

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

Re: Closure Report
DWU FEDERAL #001
Colgate Operating, LLC.
Site Location: O-34-19S-28E
(Lat 32.6121979 º, Long -104.1628265º)
Eddy County, New Mexico
Incident ID: nKMW1104136620

Mr. Bratcher:

On behalf of Colgate Operating, LLC (Colgate), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the DWU FEDERAL #001 location (Site). The Site is located approximately 13.9 miles north of Carlsbad, New Mexico in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 8, 2011. The release was a result of a nipple from the bottom of the tank failing which resulted in the release of approximately 301 barrels (bbls) of produced water and crude oil of which 65 bbls were recovered. Upon discovery, the well was shut-in, and the area was secured. The release is shown on Figure 3. The initial C-141 form is attached.

Site Characterization

The Site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½-mile radius of the location. The nearest identified well is located 1.18 miles northwest of the Site in Section 34, T19S, R28E. The well was drilled in 1971 and the reported depth to groundwater is 121.07' feet below ground surface (ft bgs). The site characterization information and the associated USGS summary report is attached.

Regulatory Criteria

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

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

Site Assessment

On July 22, 2022, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of seven sample points (S-1 through S-7) were installed within the release area to characterize and vertically delineate the potential impacts. Additionally, six horizontal delineation sample points (H-1 through H-6) were installed to define the horizontal extent of potential impacts. Soil samples were collected in 0.5 to 1 ft depth intervals and collected from soil borings advanced to depths ranging from 0 – 1.5 ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown on Figure 3.

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

Analytical results identified elevated chloride and TPH concentrations across the release area. Soil impacts in the area of S-1 and S-3 extended the total depth of the soil boring (i.e., 1 ft bgs). Soil impacts of TPH in the area of S-2 and S-4 through S-7 were confined to the upper 1.5 ft bgs. Analytical results of the horizontal soil points showed soil impacts of elevated chlorides in the area of H-1. Analytical results of the horizontal points H-2 through H-6 were all below the regulatory limits for all analytes.

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

Remedial Action Activities and Confirmation Sampling

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

- The areas of S-1 through S-6 were excavated to a depth of 2 ft bgs.

The soils were field screened during excavation activities to aide in determining final excavation depths, primarily in the areas of S-1 and S-3 where the vertical delineation of impacts was not achieved during site assessment activities. Following excavation activities, a total of 18 composite confirmation samples were collected from the excavation base (i.e., CS-1 through CS-18) and eight composite confirmation samples were collected from the excavation sidewalls (i.e., SW-1 through SW-8) to ensure impacted soil was removed.

The confirmation samples were collected from areas representing no greater than 200 square ft and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B or 300.0). Analytical results indicated that CS-14 and CS-15 exhibited TPH concentrations over the regulatory limits and the area would require further excavation.

The area of CS-14 and CS-15 were subsequently excavated to a depth of three ft bgs and additional excavation confirmation samples were collected from the base (i.e., CS-14 and CS-15) and sidewalls (i.e., SW-9 and SW-10). Analytical results of the additional confirmation samples indicated SW-9 exhibited concentrations over the regulatory limit for TPH concentrations and the area would require further excavation.

The area of SW-9 was subsequently extended 2ft and an additional excavation confirmation sample was collected from the sidewall (i.e., SW-11). SW-11 was below the regulatory limits for all analytes indicating impacted soils were successfully excavated.

The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 2. The confirmation samples were collected from areas representing no greater than 200 square feet and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B and 300.0). Following receipt of the analytical results the area was backfilled and graded to a near natural state.

Closing

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

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

Sincerely,
NTG Environmental

Ethan Sessums
Project Manager

Attachments:

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

Ethan Sessums

From: Ethan Sessums
Sent: Friday, September 9, 2022 4:22 PM
To: ocd.enviro@state.nm.us
Cc: Jordan Tyner
Subject: Sampling Event

We will be conducting confirmation sampling on behalf of Colgate on September the 14th around 10 am.
DWU Federal NO.1 (2RP-600)

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

Ethan Sessums

From: Tyler Kimball
Sent: Monday, October 24, 2022 2:36 PM
To: Ethan Sessums
Subject: FW: Sampling Notification

From: Tyler Kimball
Sent: Monday, October 24, 2022 2:36 PM
To: ocd.enviro@state.nm.us
Subject: Sampling Notification

We will be conducting confirmation sampling on behalf of Colgate on Wednesday October 26th around 10 am.
DWU Federal NO.1 (2RP-600)

Ethan Sessums

From: Ethan Sessums
Sent: Thursday, October 6, 2022 11:05 AM
To: ocd.enviro@state.nm.us
Subject: Sampling Event

We will be conducting confirmation sampling at the DWU Federal No.1 on behalf of Colgate October 10, 2022 around 10 am MDT.
Associated ID: 2RP-600

Thanks!

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

C-141 Documentation

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

30-015-23078
nKMW1104136620

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company OXY USA 192463	Contact Kelton Beaird
Address 1502 W. Commerce Carlsbad, NM 88220	Telephone No. (O) 575-628-4100
Facility Name DWU Federal # 1	Facility Type Oil Well with Battery

Surface Owner BLM	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	34	19S	28E					Eddy

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release Prod. Water / Crude Oil	Volume of Release 301 bbls	Volume Recovered 65 bbls
Source of Release Nipple from the bottom of the tank	Date and Hour of Occurrence	Date and Hour of Discovery 1-8-11 @ 12:00 pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher-NMOCD	
By Whom? Kelton Beaird-Oxy	Date and Hour See above	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED
FEB 07 2011
NMOCD ARTESIA

Describe Cause of Problem and Remedial Action Taken.*
Nipple coming off of the Tank battery formed a leak. The well was shut in, tank taken out of service and emptied. A vac-truck was called to pick up the remaining fluid left on the ground

Describe Area Affected and Cleanup Action Taken.*
Area affected was inside the dikes around the tanks and apprx. 60 ft. into the pasture. The affected area will be delineated, and a clean-up plan will be submitted for approval.

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

Signature:

Printed Name: Kelton Beaird

Title: HES Specialist

E-mail Address: kelton_beaird@oxy.com

Date: 1-12-11

OIL CONSERVATION DIVISION

Approved by District Supervisor: Signed By Mike Bratcher

Approval Date: 3/9/11 Expiration Date:

Conditions of Approval:
Remediation per OCD Rules & Guidelines. **SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:** 4/9/11

Attached ☐

2RP-600

* Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

Incident ID	nKMW1104136620
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	121.07 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nKMW1104136620
District RP	
Facility ID	
Application ID	

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

Printed Name: Nikki Mishler Title: Sr. Environmental Representative

Signature: Nikki Mishler Date: 12/20/22

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

OCD Only

Received by: Jocelyn Harimon Date: 12/20/2022

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nKMW1104136620
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Nikki Mishler
Title: Sr. Environmental Representative
Signature: Nikki Mishler
Date: 12/20/22
email: Nikki.Mishler@permianres.com
Telephone: 432-634-8722

OCD Only

Received by: Jocelyn Harimon
Date: 12/2/2022

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

Signature:
Date:

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nKMW1104136620
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Nikki Mishler Title: Sr. Environmental Representative

Signature: Nikki Mishler Date: 12/20/22

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

OCD Only

Received by: Jocelyn Harimon Date: 12/20/2022

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

Closure Approved by: Ashley Maxwell Date: 2/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

SITE CHARACTERIZATION INFORMATION

Colgate Operating, LLC - DWU Federal #1
Sec 34 T19S R28E Unit O
32.6121979, -104.1628265
Eddy County, New Mexico

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

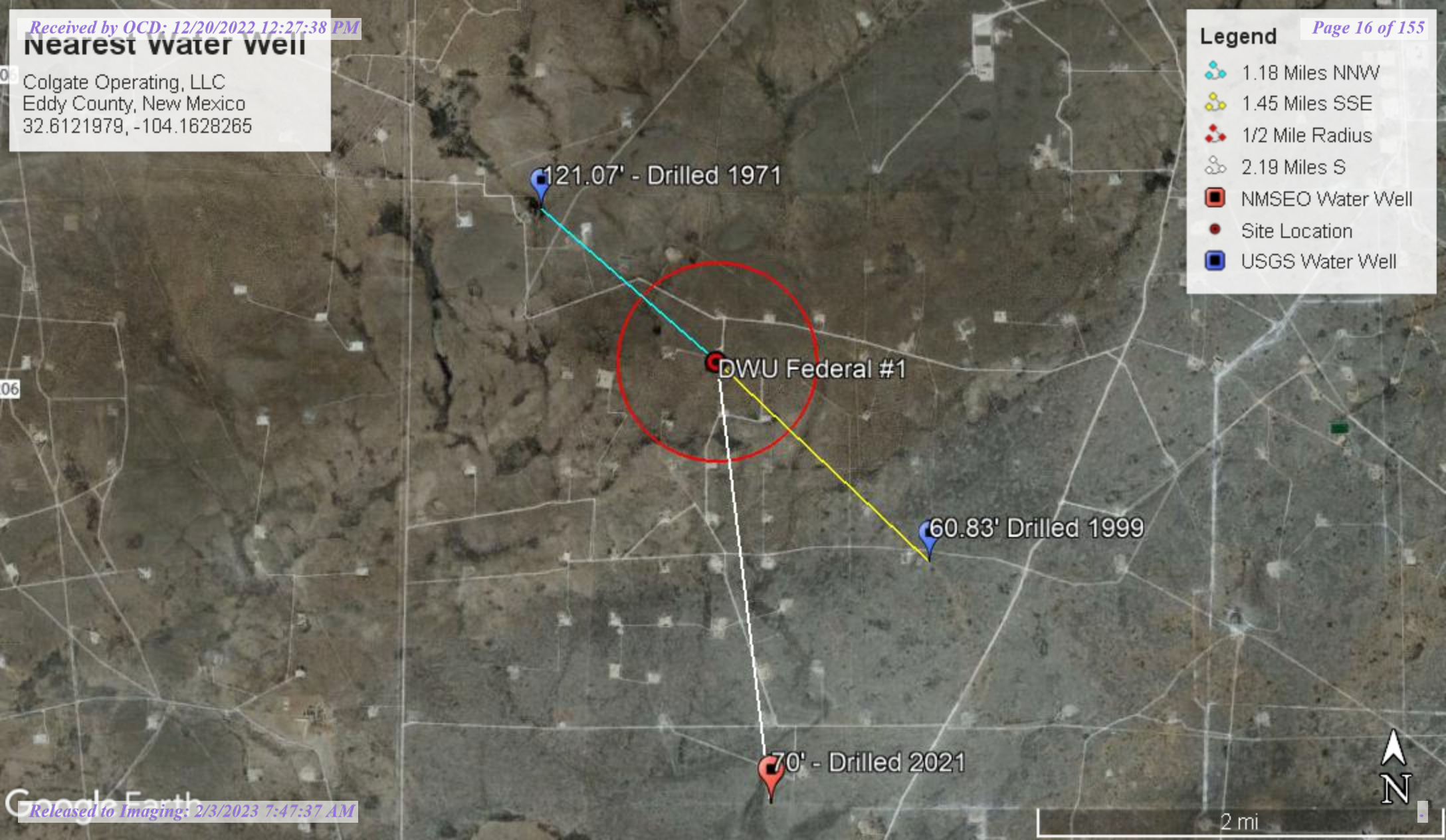
-High Karst

-USGS Groundwater is 121.07' below surface, 1.18 miles North-northwest of the site, 1971 Drilled, Section 33, T19S, R28E
-USGS Groundwater is 60.83' below surface, 1.45 miles South-southeast of the site, 1999 Drilled, Section 02, T20S, R28E
-NMSEO Groundwater is 70' below surface, 2.19 miles South of the site, 2021 Drilled, Section 15, T20S, R28E

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

High Karst

Colgate Operating, LLC
Eddy County, New Mexico
32.6121979, -104.1628265



New Mexico NFHL Data

October 26, 2022

1:36,112

0 0.25 0.5 1 mi

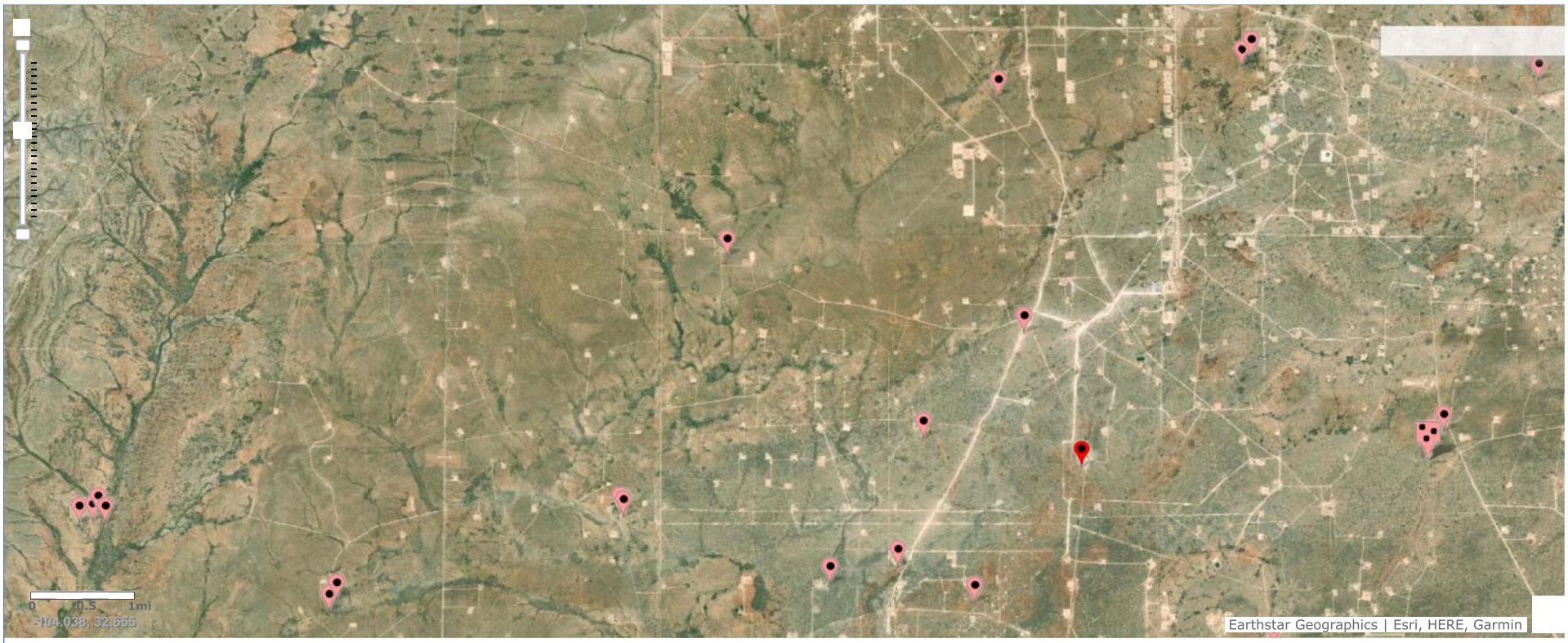
0 0.4 0.8 1.6 km

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

nmflood.org is made possible through a collaboration with NMDHSEM,
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

National Water Information System: Mapper

Help



Site Information

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

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

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

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

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01915	CP	ED	3	2	2	33	19S	28E	577309	3609734	1675			
CP 00926 POD1	CP	LE	2	1	4	01	20S	28E	581793	3607405	3460	300		
CP 01862 POD1	CP	ED	2	2	2	15	20S	28E	579002	3605104	3530	150	70	80
CP 01231 POD1	CP	ED	4	4	2	36	19S	28E	582311	3609372	3841	300	75	225
CP 01190 POD1	CP	ED	2	2	4	08	20S	28E	575860	3605788	3893	113	59	54
CP 00525	CP	ED	3	2	1	14	20S	28E	579656	3604847*	3919	171	140	31

Average Depth to Water: **86 feet**
Minimum Depth: **59 feet**
Maximum Depth: **140 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 578546.77 **Northing (Y):** 3608605.79 **Radius:** 4000

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

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

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

Driller Name: BRYCE WALLACE

Drill Start Date:	08/24/2021	**Drill Finish Date:**	08/25/2021	**Plug Date:**	
Log File Date:	05/28/2022	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	12 GPM
Casing Size:	6.00	**Depth Well:**	150 feet	**Depth Water:**	70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	30	100	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	80	150

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- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323552104084101

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

USGS 323552104084101 20S.28E.02.43322

Eddy County, New Mexico
Latitude 32°35'52", Longitude 104°08'41" NAD27
Land-surface elevation 3,276 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1968-04-02		D	62610		3221.16	NGVD29	1	Z		
1968-04-02		D	62611		3222.69	NAVD88	1	Z		
1968-04-02		D	72019	53.31			1	Z		
1971-02-05		D	62610		3217.95	NGVD29	P	Z		
1971-02-05		D	62611		3219.48	NAVD88	P	Z		
1971-02-05		D	72019	56.52			P	Z		
1976-12-10		D	62610		3223.22	NGVD29	1	Z		
1976-12-10		D	62611		3224.75	NAVD88	1	Z		
1976-12-10		D	72019	51.25			1	Z		
1983-01-10		D	62610		3223.09	NGVD29	1	Z		
1983-01-10		D	62611		3224.62	NAVD88	1	Z		
1983-01-10		D	72019	51.38			1	Z		
1994-03-16		D	62610		3214.05	NGVD29	1	S		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1994-03-16		D	62611		3215.58	NAVD88	1	S		
1994-03-16		D	72019	60.42			1	S		
1999-02-24		D	62610		3213.64	NGVD29	1	S	USGS	
1999-02-24		D	62611		3215.17	NAVD88	1	S	USGS	
1999-02-24		D	72019	60.83			1	S	USGS	

Explanation

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

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323724104103901

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

USGS 323724104103901 19S.28E.33.21422

Eddy County, New Mexico
Latitude 32°37'24", Longitude 104°10'39" NAD27
Land-surface elevation 3,347 feet above NAVD88
The depth of the well is 170 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1948-12-21		D	62610		3222.05	NGVD29	1	Z		
1948-12-21		D	62611		3223.59	NAVD88	1	Z		
1948-12-21		D	72019	123.41			1	Z		
1965-11-04		D	62610		3223.90	NGVD29	1	Z		
1965-11-04		D	62611		3225.44	NAVD88	1	Z		
1965-11-04		D	72019	121.56			1	Z		
1968-04-02		D	62610		3224.58	NGVD29	1	Z		
1968-04-02		D	62611		3226.12	NAVD88	1	Z		
1968-04-02		D	72019	120.88			1	Z		
1971-01-28		D	62610		3224.39	NGVD29	1	Z		
1971-01-28		D	62611		3225.93	NAVD88	1	Z		
1971-01-28		D	72019	121.07			1	Z		

Explanation

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

TABLES

Soil Analytics Table- Remedial Action Activities
Colgate Production, LLC
DWU FEDERAL #1
Eddy County, New Mexico

Sample ID	Date	Sample Depth	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
S-1	7/22/2022	0-1'	**139**	<49.9	<49.9	**139**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**153**
S-2	7/22/2022	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**66.4**
S-3	7/22/2022	0-1'	**138**	<50.0	<50.0	**138**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**28**
S-4	7/22/2022	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
S-5	7/22/2022	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**5.83**
S-6	7/22/2022	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.000399	<0.000399	<0.000399	<0.000399	<0.000399	**9.9**
S-7	7/22/2022	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<4.99
H-1	7/22/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**2,670**
H-2	7/22/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**15.9**
H-3	7/22/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**5.0**
H-4	7/22/2022	--	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.97
H-5	7/22/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
H-6	7/22/2022	--	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
CS-1	9/14/2022	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**29**
CS-2	9/14/2022	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**64.9**
CS-3	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	**0.00463**	**0.00463**	**190**
CS-4	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**21.3**
CS-5	9/14/2022	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**40.7**
CS-6	9/14/2022	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**47.8**
CS-7	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**63.1**
CS-8	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**157**
CS-9	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**92.1**
CS-10	9/14/2022	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**40.7**
CS-11	9/14/2022	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**29.3**
CS-12	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**17.4**
CS-13	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**17.6**
CS-14	9/14/2022	2'	**121**	<50.0	<50.0	**121**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**28.7**
	10/7/2022	3'	<10.0	<10.0	<10.0	<50.0	<0.050	<0.050	<0.050	<0.150	<0.300	**272**
CS-15	9/14/2022	2'	**224**	<50.0	**56.6**	**281**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**52.8**
	10/7/2022	3'	<10.0	<10.0	<10.0	<50.0	<0.050	<0.050	<0.050	<0.150	<0.300	**304**
CS-16	9/14/2022	2'	**75.5**	<49.9	<49.9	**75.5**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**25.7**
CS-17	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**129**
CS-18	9/14/2022	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**17.2**
SW-1	9/14/2022	--	**97.4**	<49.9	<49.9	**97.4**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**271**
SW-2	9/14/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**176**
SW-3	9/14/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**138**
SW-4	9/14/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**40.3**
SW-5	9/14/2022	--	**84.1**	<50.0	<50.0	**84.1**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**64.7**
SW-6	9/14/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**38.8**
SW-7	9/14/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**9.46**
SW-8	9/14/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**196**
SW-7	10/7/2022	--	<10.0	<10.0	<10.0	<50.0	<0.050	<0.050	<0.050	<0.150	<0.300	**32**
SW-8	10/7/2022	--	<10.0	<10.0	<10.0	<50.0	<0.050	<0.050	<0.050	<0.150	<0.300	**48**
SW-9	10/7/2022	--	**379**	<10.0	**171**	**550**	<0.050	<0.050	<0.050	<0.150	<0.300	**80**
SW-10	10/7/2022	--	<10.0	<10.0	<10.0	<50.0	<0.050	<0.050	<0.050	<0.150	<0.300	**16**
SW-11	10/26/2022	--	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**22.6**
Regulatory Limits [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

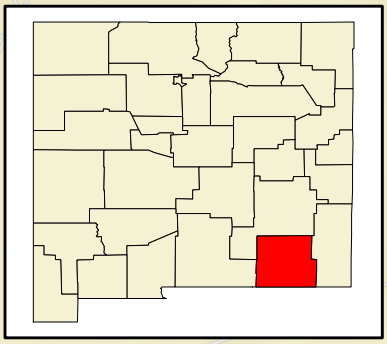
mg/kg - milligram per kilogram

TPH- total petroleum hydrocarbons

ft-feet

- exceeds regulatory limits

FIGURES



Site

Miles
0 0.3 0.6 0.9 1.2 1.5

LEGEND

Site

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SITE LOCATION MAP
REMEDIATION ACTION REPORT
DWU FEDERAL #1
COLGATE PRODUTIONS. LLC
EDDY COUNTY, NEW MEXICO

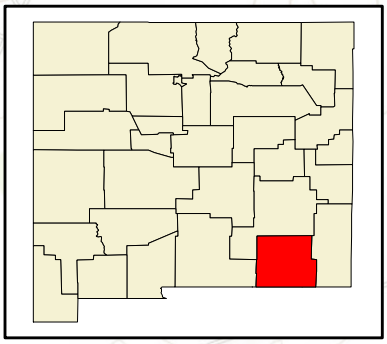
SCALE: As Shown | Date: 8/10/2022 | PROJECT #: 225968

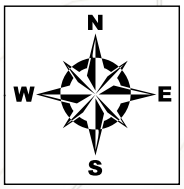
New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenvironmental.com

NOTES:

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1





PALMILLA DRAW

3376 ft

3313 ft

3300 ft

Site

0 0.3 0.6 0.9 1.2 1.5 Miles

LEGEND

Site

SITE LOCATION MAP
REMEDIATION ACTION REPORT
DWU FEDERAL #1
COLGATE PRODUTIONS. LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown | Date: 8/10/2022 | PROJECT #: 225968

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

NOTES:

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

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

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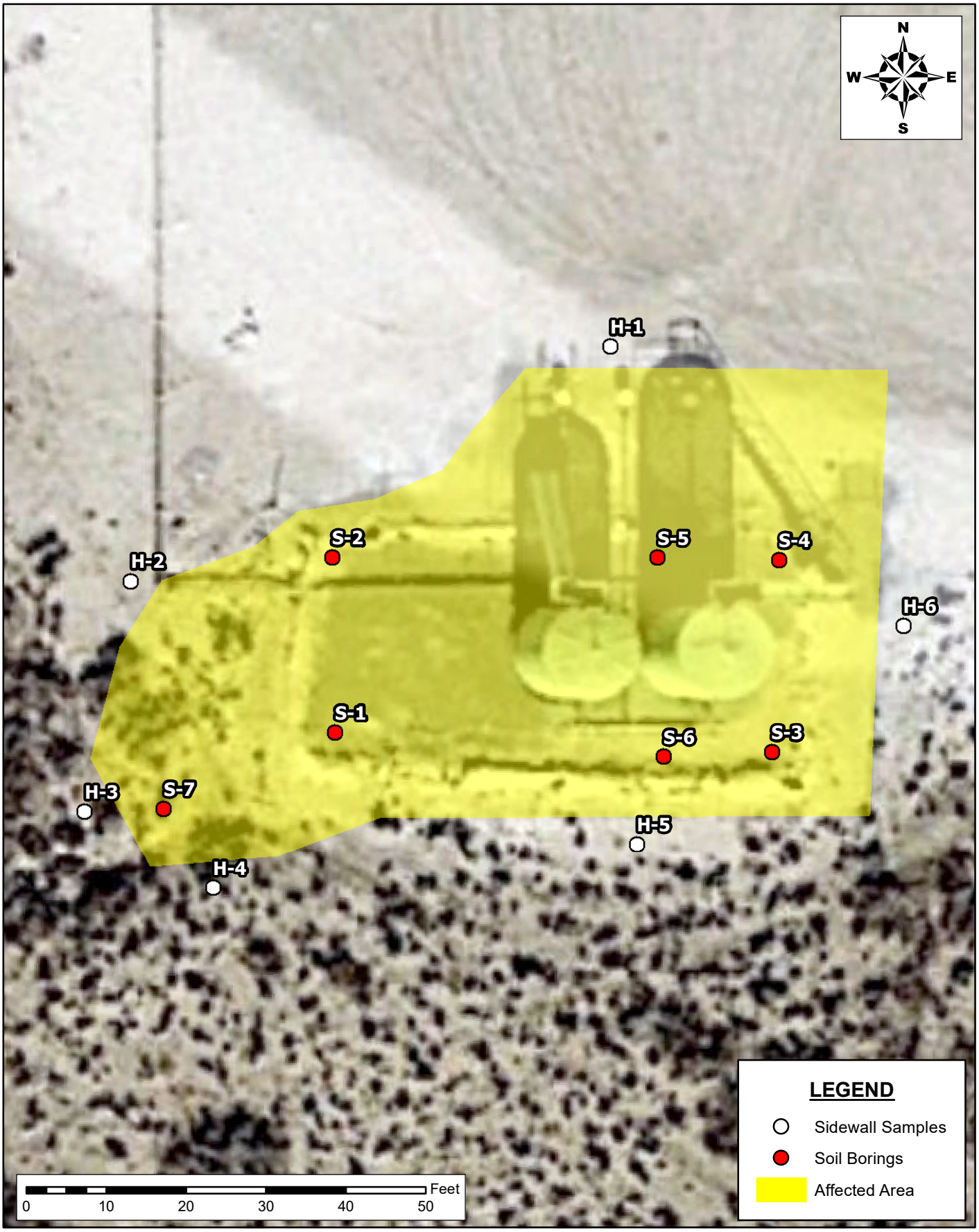

SITE LOCATION MAP
REMEDIATION ACTION REPORT
DWU FEDERAL #1
COLGATE PRODUTIONS. LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown | Date: 12/13/2022 | PROJECT #: 225968

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

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

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
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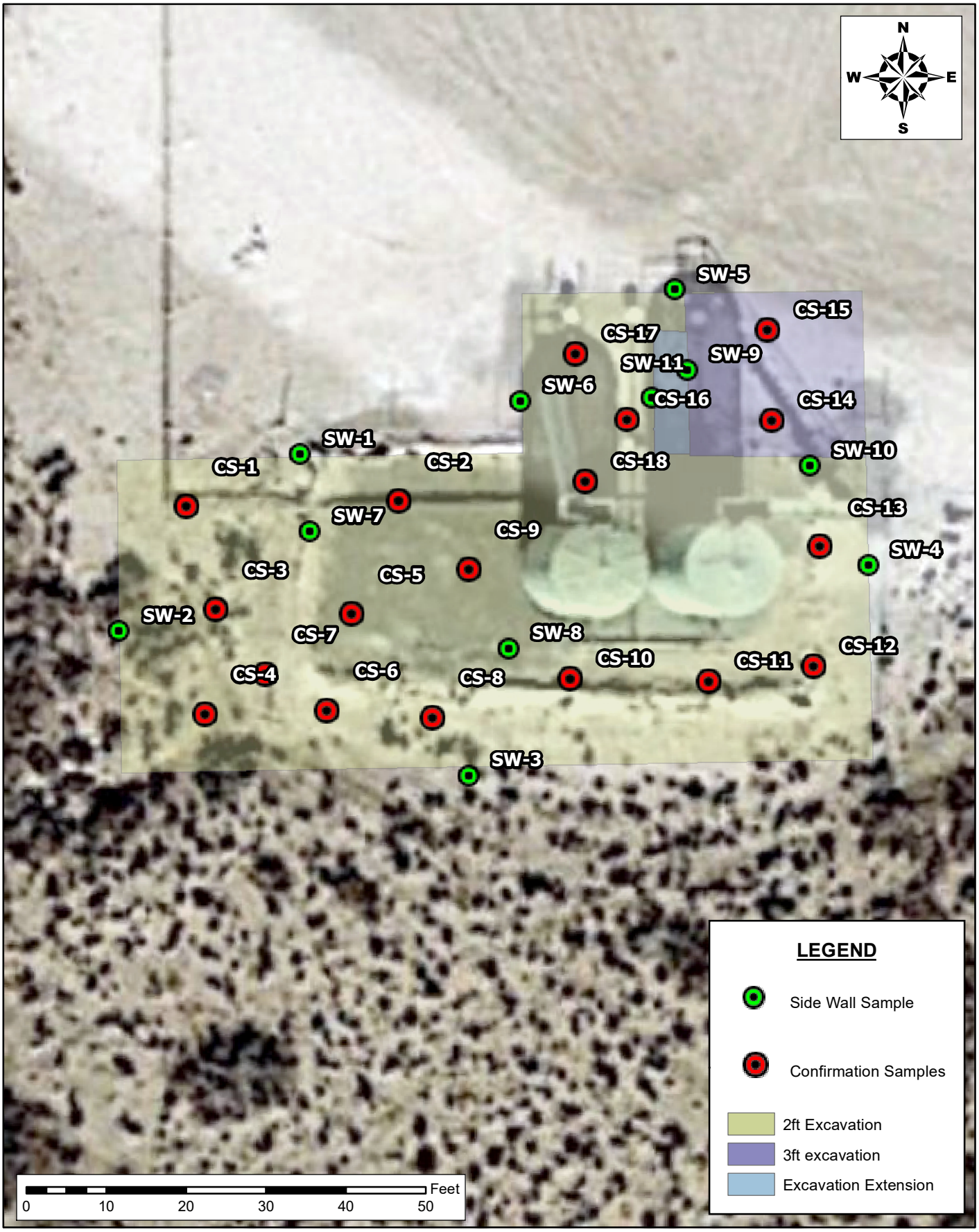

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SITE LOCATION MAP
REMEDIATION ACTION REPORT
DWU FEDERAL #1
COLGATE PRODUTIONS. LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown	Date: 11/30/2022	PROJECT #: 225968

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

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

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 1

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of area of concern.

Photograph No. 2

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of area of concern.

Photograph No. 3

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of area of concern.

PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 4

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of area of concern.

Photograph No. 5

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of area of concern.

Photograph No. 6

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of area of concern.

PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 7

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of excavated site.

Photograph No. 8

Facility: Government AB 7 Battery

County: Eddy County, New Mexico

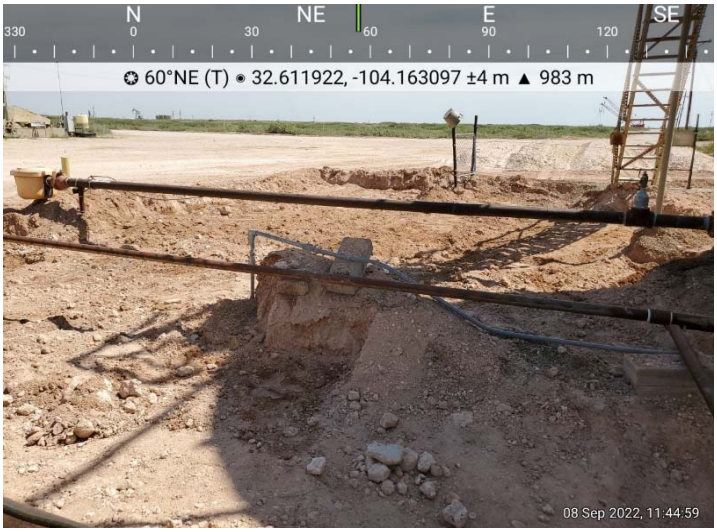
Description:
View of excavated site.

Photograph No. 9

Facility: Government AB 7 Battery

County: Eddy County, New Mexico

Description:
View of excavated site.



PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 10

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of excavated site.

Photograph No. 11

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of excavated site.

Photograph No. 12

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of excavated site.

PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 13

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of back-filled site.

Photograph No. 14

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of back-filled site.

Photograph No. 15

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of back-filled site.

PHOTOGRAPHIC LOG

Colgate Energy Production Company

Photograph No. 16

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of back-filled site.

Photograph No. 17

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of back-filled site.

Photograph No. 18

Facility: DWU FEDERAL #1

County: Eddy County, New Mexico

Description:
View of back-filled site.

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2641-1
Laboratory Sample Delivery Group: 225968
Client Project/Site: DWU FEDERAL 1

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Ethan Sessums

JKRAMER

Authorized for release by:
7/29/2022 10:58:36 AM

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

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

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

Client: NT Global
Project/Site: DWU FEDERAL 1

Laboratory Job ID: 890-2641-1
SDG: 225968

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
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.

GC Semi VOA

Qualifier	Qualifier Description
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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Job ID: 890-2641-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2641-1

Receipt
The samples were received on 7/22/2022 3:44 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-30589 and analytical batch 880-30859 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-30669 and analytical batch 880-30859 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-1 (890-2641-1) and SW-2 (890-2641-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-5 (1-1.5) (890-2641-11) and S-6 (1-1.5) (890-2641-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCSD 880-30589/2-A) and (880-17202-A-1-D MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-30589 and analytical batch 880-30859 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-17202-A-1-F). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-30669 and analytical batch 880-30859 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.

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: The matrix spike (MS) recoveries for preparation batch 880-30847 and analytical batch 880-30743 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-4 (890-2641-4) and SW-5 (890-2641-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: SW-1

Lab Sample ID: 890-2641-1
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/26/22 10:50	07/28/22 13:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/26/22 10:50	07/28/22 13:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/26/22 10:50	07/28/22 13:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/26/22 10:50	07/28/22 13:21	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		07/26/22 10:50	07/28/22 13:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/26/22 10:50	07/28/22 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*07/26/22 10:50*	*07/28/22 13:21*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*07/26/22 10:50*	*07/28/22 13:21*	*1*

Method: 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			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 21:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 21:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*07/28/22 11:12*	*07/28/22 21:28*	*1*
o-Terphenyl	*76*		*70 - 130*	*07/28/22 11:12*	*07/28/22 21:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2670**		99.0		mg/Kg			07/28/22 02:28	20

Client Sample ID: SW-2

Lab Sample ID: 890-2641-2
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 13:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 13:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 13:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 13:47	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		07/26/22 10:50	07/28/22 13:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/26/22 10:50*	*07/28/22 13:47*	*1*

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: SW-2

Lab Sample ID: 890-2641-2
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*07/26/22 10:50*	*07/28/22 13:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 22:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 22:33	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*07/28/22 11:12*	*07/28/22 22:33*	*1*
o-Terphenyl	*74*		*70 - 130*	*07/28/22 11:12*	*07/28/22 22:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.9**		4.96		mg/Kg			07/28/22 02:51	1

Client Sample ID: SW-3

Lab Sample ID: 890-2641-3
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 14:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 14:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 14:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 14:13	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		07/26/22 10:50	07/28/22 14:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/26/22 10:50*	*07/28/22 14:13*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*07/26/22 10:50*	*07/28/22 14:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/28/22 09:08	1

Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: SW-3

Lab Sample ID: 890-2641-3
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 22:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 22:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*07/28/22 11:12*	*07/28/22 22:55*	*1*
o-Terphenyl	*75*		*70 - 130*	*07/28/22 11:12*	*07/28/22 22:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.00**		5.00		mg/Kg			07/28/22 02:59	1

Client Sample ID: SW-4

Lab Sample ID: 890-2641-4
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/26/22 10:50	07/28/22 14:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/26/22 10:50	07/28/22 14:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/26/22 10:50	07/28/22 14:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/26/22 10:50	07/28/22 14:39	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		07/26/22 10:50	07/28/22 14:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/26/22 10:50	07/28/22 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*07/26/22 10:50*	*07/28/22 14:39*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*07/26/22 10:50*	*07/28/22 14:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/28/22 11:12	07/28/22 23:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/28/22 11:12	07/28/22 23:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/28/22 11:12	07/28/22 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*56*	*S1-*	*70 - 130*	*07/28/22 11:12*	*07/28/22 23:17*	*1*
o-Terphenyl	*52*	*S1-*	*70 - 130*	*07/28/22 11:12*	*07/28/22 23:17*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: SW-4

Lab Sample ID: 890-2641-4
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			07/28/22 03:07	1

Client Sample ID: SW-5

Lab Sample ID: 890-2641-5
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 15:05	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*07/26/22 10:50*	*07/28/22 15:05*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/26/22 10:50*	*07/28/22 15:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 23:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 23:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*07/28/22 11:12*	*07/28/22 23:38*	*1*
o-Terphenyl	*70*		*70 - 130*	*07/28/22 11:12*	*07/28/22 23:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/28/22 03:15	1

Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: SW-6

Lab Sample ID: 890-2641-6
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 15:31	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*07/26/22 10:50*	*07/28/22 15:31*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*07/26/22 10:50*	*07/28/22 15:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/28/22 11:12	07/29/22 00:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/28/22 11:12	07/29/22 00:00	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/28/22 11:12	07/29/22 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*07/28/22 11:12*	*07/29/22 00:00*	*1*
o-Terphenyl	*75*		*70 - 130*	*07/28/22 11:12*	*07/29/22 00:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			07/28/22 03:23	1

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

Lab Sample ID: 890-2641-7
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/26/22 10:50	07/28/22 15:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/26/22 10:50	07/28/22 15:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/26/22 10:50	07/28/22 15:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/26/22 10:50	07/28/22 15:57	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		07/26/22 10:50	07/28/22 15:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/26/22 10:50	07/28/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*07/26/22 10:50*	*07/28/22 15:57*	*1*

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Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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

Lab Sample ID: 890-2641-7
Matrix: Solid

Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/26/22 10:50*	*07/28/22 15:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**139**		49.9		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 00:21	1
Diesel Range Organics (Over C10-C28)	**139**		49.9		mg/Kg		07/28/22 11:12	07/29/22 00:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*07/28/22 11:12*	*07/29/22 00:21*	*1*
o-Terphenyl	*87*		*70 - 130*	*07/28/22 11:12*	*07/29/22 00:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**153**		4.97		mg/Kg			07/28/22 03:30	1

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

Lab Sample ID: 890-2641-8
Matrix: Solid

Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 16:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 16:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 16:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/26/22 10:50	07/28/22 16:24	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		07/26/22 10:50	07/28/22 16:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/26/22 10:50	07/28/22 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*07/26/22 10:50*	*07/28/22 16:24*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/26/22 10:50*	*07/28/22 16:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/28/22 09:08	1

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Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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

Lab Sample ID: 890-2641-8
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 00:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*07/28/22 11:12*	*07/29/22 00:43*	*1*
o-Terphenyl	*108*		*70 - 130*	*07/28/22 11:12*	*07/29/22 00:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.4**		4.99		mg/Kg			07/28/22 11:46	1

Client Sample ID: S-3 (0-1)

Lab Sample ID: 890-2641-9
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/26/22 10:50	07/28/22 16:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/26/22 10:50	07/28/22 16:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/26/22 10:50	07/28/22 16:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/26/22 10:50	07/28/22 16:50	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		07/26/22 10:50	07/28/22 16:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/26/22 10:50	07/28/22 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*07/26/22 10:50*	*07/28/22 16:50*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/26/22 10:50*	*07/28/22 16:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**138**		50.0		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/29/22 01:04	1
Diesel Range Organics (Over C10-C28)	**138**		50.0		mg/Kg		07/28/22 11:12	07/29/22 01:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/29/22 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*07/28/22 11:12*	*07/29/22 01:04*	*1*
o-Terphenyl	*96*		*70 - 130*	*07/28/22 11:12*	*07/29/22 01:04*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: S-3 (0-1)

Lab Sample ID: 890-2641-9
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.2		5.00		mg/Kg			07/28/22 04:02	1

Client Sample ID: S-4 (0-1)

Lab Sample ID: 890-2641-10
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 17:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 17:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 17:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/26/22 10:50	07/28/22 17:16	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		07/26/22 10:50	07/28/22 17:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/26/22 10:50	07/28/22 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*07/26/22 10:50*	*07/28/22 17:16*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*07/26/22 10:50*	*07/28/22 17:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/29/22 01:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/29/22 01:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/29/22 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*07/28/22 11:12*	*07/29/22 01:26*	*1*
o-Terphenyl	*80*		*70 - 130*	*07/28/22 11:12*	*07/29/22 01:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/28/22 04:25	1

Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: S-5 (1-1.5)

Lab Sample ID: 890-2641-11
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 19:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 19:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 19:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 19:03	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		07/26/22 10:50	07/28/22 19:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*07/26/22 10:50*	*07/28/22 19:03*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*07/26/22 10:50*	*07/28/22 19:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 02:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 02:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*07/28/22 11:12*	*07/29/22 02:09*	*1*
o-Terphenyl	*89*		*70 - 130*	*07/28/22 11:12*	*07/29/22 02:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.83**		4.96		mg/Kg			07/28/22 11:54	1

Client Sample ID: S-6 (1-1.5)

Lab Sample ID: 890-2641-12
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000399	U	0.000399		mg/Kg		07/26/22 10:50	07/28/22 19:29	1
Toluene	<0.000399	U	0.000399		mg/Kg		07/26/22 10:50	07/28/22 19:29	1
Ethylbenzene	<0.000399	U	0.000399		mg/Kg		07/26/22 10:50	07/28/22 19:29	1
m-Xylene & p-Xylene	<0.000798	U	0.000798		mg/Kg		07/26/22 10:50	07/28/22 19:29	1
o-Xylene	<0.000399	U *+	0.000399		mg/Kg		07/26/22 10:50	07/28/22 19:29	1
Xylenes, Total	<0.000798	U	0.000798		mg/Kg		07/26/22 10:50	07/28/22 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*07/26/22 10:50*	*07/28/22 19:29*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: S-6 (1-1.5)

Lab Sample ID: 890-2641-12
Matrix: Solid

Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*07/26/22 10:50*	*07/28/22 19:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000798	U	0.000798		mg/Kg			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/28/22 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/28/22 01:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/28/22 01:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/28/22 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*82*		*70 - 130*	*07/27/22 16:56*	*07/28/22 01:36*	*1*
o-Terphenyl	*78*		*70 - 130*	*07/27/22 16:56*	*07/28/22 01:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.89**		5.02		mg/Kg			07/28/22 04:41	1

Client Sample ID: S-7 (0-1)

Lab Sample ID: 890-2641-13
Matrix: Solid

Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/26/22 10:50	07/28/22 19:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/26/22 10:50	07/28/22 19:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/26/22 10:50	07/28/22 19:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/26/22 10:50	07/28/22 19:56	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		07/26/22 10:50	07/28/22 19:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/26/22 10:50	07/28/22 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/26/22 10:50*	*07/28/22 19:56*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*07/26/22 10:50*	*07/28/22 19:56*	*1*

Method: 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			07/29/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/28/22 09:08	1

Client Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: S-7 (0-1)

Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44
Sample Depth: 0 - 1

Lab Sample ID: 890-2641-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/28/22 02:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/28/22 02:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/28/22 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*07/27/22 16:56*	*07/28/22 02:16*	*1*
o-Terphenyl	*81*		*70 - 130*	*07/27/22 16:56*	*07/28/22 02:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			07/28/22 04:49	1

Surrogate Summary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-17202-A-1-D MS	Matrix Spike	352 S1+	298 S1+
880-17202-A-1-E MSD	Matrix Spike Duplicate	129	107
890-2641-1	SW-1	122	67 S1-
890-2641-1 MS	SW-1	123	98
890-2641-1 MSD	SW-1	130	106
890-2641-2	SW-2	111	132 S1+
890-2641-3	SW-3	99	123
890-2641-4	SW-4	71	79
890-2641-5	SW-5	121	104
890-2641-6	SW-6	121	111
890-2641-7	S-1 (0-1)	122	99
890-2641-8	S-2 (0-1)	118	104
890-2641-9	S-3 (0-1)	119	98
890-2641-10	S-4 (0-1)	126	111
890-2641-11	S-5 (1-1.5)	135 S1+	63 S1-
890-2641-12	S-6 (1-1.5)	67 S1-	125
890-2641-13	S-7 (0-1)	96	108
LCS 880-30589/1-A	Lab Control Sample	123	101
LCS 880-30669/1-A	Lab Control Sample	118	98
LCSD 880-30589/2-A	Lab Control Sample Dup	131 S1+	113
LCSD 880-30669/2-A	Lab Control Sample Dup	116	106
MB 880-30589/5-A	Method Blank	107	62 S1-
MB 880-30669/5-A	Method Blank	91	63 S1-

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)
890-2633-A-1-H MS	Matrix Spike	87	75
890-2633-A-1-I MSD	Matrix Spike Duplicate	89	75
890-2641-1	SW-1	72	76
890-2641-1 MS	SW-1	84	77
890-2641-1 MSD	SW-1	88	79
890-2641-2	SW-2	71	74
890-2641-3	SW-3	79	75
890-2641-4	SW-4	56 S1-	52 S1-
890-2641-5	SW-5	67 S1-	70
890-2641-6	SW-6	78	75
890-2641-7	S-1 (0-1)	79	87
890-2641-8	S-2 (0-1)	93	108
890-2641-9	S-3 (0-1)	86	96
890-2641-10	S-4 (0-1)	78	80
890-2641-11	S-5 (1-1.5)	78	89
890-2641-12	S-6 (1-1.5)	82	78

Surrogate Summary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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)								
890-2641-13	S-7 (0-1)	83	81								
LCS 880-30847/2-A	Lab Control Sample	103	98								
LCS 880-30915/2-A	Lab Control Sample	104	104								
LCSD 880-30847/3-A	Lab Control Sample Dup	97	95								
LCSD 880-30915/3-A	Lab Control Sample Dup	99	101								
MB 880-30847/1-A	Method Blank	90	86								
MB 880-30915/1-A	Method Blank	105	127								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30589/5-A
Matrix: Solid
Analysis Batch: 30859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30589

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000400	U	0.000400		mg/Kg		07/25/22 12:06	07/29/22 02:31	1
Toluene	<0.000400	U	0.000400		mg/Kg		07/25/22 12:06	07/29/22 02:31	1
Ethylbenzene	<0.000400	U	0.000400		mg/Kg		07/25/22 12:06	07/29/22 02:31	1
m-Xylene & p-Xylene	<0.000800	U	0.000800		mg/Kg		07/25/22 12:06	07/29/22 02:31	1
o-Xylene	<0.000400	U	0.000400		mg/Kg		07/25/22 12:06	07/29/22 02:31	1
Xylenes, Total	<0.000800	U	0.000800		mg/Kg		07/25/22 12:06	07/29/22 02:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/25/22 12:06*	*07/29/22 02:31*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*07/25/22 12:06*	*07/29/22 02:31*	*1*

Lab Sample ID: LCS 880-30589/1-A
Matrix: Solid
Analysis Batch: 30859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30589

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1106		mg/Kg		111	70 - 130
Toluene	0.100	0.1060		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2101		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1245		mg/Kg		125	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-30589/2-A
Matrix: Solid
Analysis Batch: 30859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 30589

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1160		mg/Kg		116	70 - 130	5	35
Toluene	0.100	0.1083		mg/Kg		108	70 - 130	2	35
Ethylbenzene	0.100	0.1026		mg/Kg		103	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2112		mg/Kg		106	70 - 130	1	35
o-Xylene	0.100	0.1264		mg/Kg		126	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 880-17202-A-1-D MS
Matrix: Solid
Analysis Batch: 30859

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 30589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.09818		mg/Kg		98	70 - 130
Toluene	<0.00201	U	0.101	0.09360		mg/Kg		93	70 - 130

QC Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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

Lab Sample ID: 880-17202-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30859 — **Prep Batch: 30589**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.101	0.07292		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.1277	F1	mg/Kg		63	70 - 130
o-Xylene	<0.00201	U F1	0.101	0.1418	F1	mg/Kg		141	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*352*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*298*	*S1+*	*70 - 130*

Lab Sample ID: 880-17202-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30859 — **Prep Batch: 30589**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09685		mg/Kg		97	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.07927		mg/Kg		79	70 - 130	17	35
Ethylbenzene	<0.00201	U F1	0.100	0.06937	F1	mg/Kg		69	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1122	F1	mg/Kg		56	70 - 130	13	35
o-Xylene	<0.00201	U F1	0.100	0.1004		mg/Kg		100	70 - 130	34	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-30669/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30859 — **Prep Batch: 30669**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/26/22 10:50	07/28/22 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 10:50	07/28/22 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/26/22 10:50	07/28/22 12:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*07/26/22 10:50*	*07/28/22 12:54*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*07/26/22 10:50*	*07/28/22 12:54*	*1*

Lab Sample ID: LCS 880-30669/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30859 — **Prep Batch: 30669**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1289		mg/Kg		129	70 - 130
Toluene	0.100	0.1149		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1145		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2274		mg/Kg		114	70 - 130

QC Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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

Lab Sample ID: LCS 880-30669/1-A
Matrix: Solid
Analysis Batch: 30859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30669

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1307	*+	mg/Kg		131	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-30669/2-A
Matrix: Solid
Analysis Batch: 30859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 30669

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1141		mg/Kg		114	70 - 130	12	35
Toluene			0.100	0.1064		mg/Kg		106	70 - 130	8	35
Ethylbenzene			0.100	0.1061		mg/Kg		106	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2107		mg/Kg		105	70 - 130	8	35
o-Xylene			0.100	0.1219		mg/Kg		122	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-2641-1 MS
Matrix: Solid
Analysis Batch: 30859

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 30669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.0998	0.07226		mg/Kg		72	70 - 130		
Toluene	<0.00202	U	0.0998	0.07101		mg/Kg		71	70 - 130		
Ethylbenzene	<0.00202	U	0.0998	0.07062		mg/Kg		71	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1424		mg/Kg		71	70 - 130		
o-Xylene	<0.00202	U *+	0.0998	0.08584		mg/Kg		86	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-2641-1 MSD
Matrix: Solid
Analysis Batch: 30859

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 30669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.101	0.07981		mg/Kg		79	70 - 130	10	35
Toluene	<0.00202	U	0.101	0.08154		mg/Kg		81	70 - 130	14	35
Ethylbenzene	<0.00202	U	0.101	0.08365		mg/Kg		83	70 - 130	17	35
m-Xylene & p-Xylene	<0.00403	U	0.202	0.1671		mg/Kg		83	70 - 130	16	35
o-Xylene	<0.00202	U *+	0.101	0.09998		mg/Kg		99	70 - 130	15	35

QC Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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

Lab Sample ID: 890-2641-1 MSD
Matrix: Solid
Analysis Batch: 30859

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 30669

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

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

Lab Sample ID: MB 880-30847/1-A
Matrix: Solid
Analysis Batch: 30743

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30847

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		07/27/22 16:56	07/27/22 20:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/27/22 20:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/27/22 20:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	07/27/22 16:56	07/27/22 20:46	1
o-Terphenyl	86		70 - 130	07/27/22 16:56	07/27/22 20:46	1

Lab Sample ID: LCS 880-30847/2-A
Matrix: Solid
Analysis Batch: 30743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30847

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1034		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1030		mg/Kg		103	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-30847/3-A
Matrix: Solid
Analysis Batch: 30743

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 30847

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	981.8		mg/Kg		98	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	960.4		mg/Kg		96	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	95		70 - 130

QC Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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

Lab Sample ID: 890-2633-A-1-H MS
Matrix: Solid
Analysis Batch: 30743

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 30847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1047		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	683.6	F1	mg/Kg		68	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: 890-2633-A-1-I MSD
Matrix: Solid
Analysis Batch: 30743

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 30847

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	<50.0	U	999	1072		mg/Kg		103	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	696.8		mg/Kg		70	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: MB 880-30915/1-A
Matrix: Solid
Analysis Batch: 30863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30915

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		07/28/22 11:12	07/28/22 20:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 20:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 20:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/28/22 11:12*	*07/28/22 20:23*	*1*
o-Terphenyl	*127*		*70 - 130*	*07/28/22 11:12*	*07/28/22 20:23*	*1*

Lab Sample ID: LCS 880-30915/2-A
Matrix: Solid
Analysis Batch: 30863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1051		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1059		mg/Kg		106	70 - 130

QC Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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

Lab Sample ID: LCS 880-30915/2-A
Matrix: Solid
Analysis Batch: 30863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30915

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

Lab Sample ID: LCSD 880-30915/3-A
Matrix: Solid
Analysis Batch: 30863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 30915

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	986.2		mg/Kg		99	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	975.0		mg/Kg		98	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 890-2641-1 MS
Matrix: Solid
Analysis Batch: 30863

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 30915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	933.0		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	758.6		mg/Kg		73	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: 890-2641-1 MSD
Matrix: Solid
Analysis Batch: 30863

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 30915

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	1061		mg/Kg		104	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	790.2		mg/Kg		76	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	79		70 - 130

QC Sample Results

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30679/1-A
Matrix: Solid
Analysis Batch: 30826

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/28/22 01:17	1

Lab Sample ID: LCS 880-30679/2-A
Matrix: Solid
Analysis Batch: 30826

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	261.5		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-30679/3-A
Matrix: Solid
Analysis Batch: 30826

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	262.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-2636-A-1-B MS
Matrix: Solid
Analysis Batch: 30826

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	68.7		252	316.7		mg/Kg		98	90 - 110		

Lab Sample ID: 890-2636-A-1-C MSD
Matrix: Solid
Analysis Batch: 30826

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	68.7		252	317.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-2641-7 MS
Matrix: Solid
Analysis Batch: 30826

Client Sample ID: S-1 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	153		249	394.0		mg/Kg		97	90 - 110		

Lab Sample ID: 890-2641-7 MSD
Matrix: Solid
Analysis Batch: 30826

Client Sample ID: S-1 (0-1)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	153		249	392.8		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

GC VOA

Prep Batch: 30589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-30589/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30589/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30589/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17202-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-17202-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 30669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-1	SW-1	Total/NA	Solid	5035	
890-2641-2	SW-2	Total/NA	Solid	5035	
890-2641-3	SW-3	Total/NA	Solid	5035	
890-2641-4	SW-4	Total/NA	Solid	5035	
890-2641-5	SW-5	Total/NA	Solid	5035	
890-2641-6	SW-6	Total/NA	Solid	5035	
890-2641-7	S-1 (0-1)	Total/NA	Solid	5035	
890-2641-8	S-2 (0-1)	Total/NA	Solid	5035	
890-2641-9	S-3 (0-1)	Total/NA	Solid	5035	
890-2641-10	S-4 (0-1)	Total/NA	Solid	5035	
890-2641-11	S-5 (1-1.5)	Total/NA	Solid	5035	
890-2641-12	S-6 (1-1.5)	Total/NA	Solid	5035	
890-2641-13	S-7 (0-1)	Total/NA	Solid	5035	
MB 880-30669/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30669/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30669/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2641-1 MS	SW-1	Total/NA	Solid	5035	
890-2641-1 MSD	SW-1	Total/NA	Solid	5035	

Analysis Batch: 30859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-1	SW-1	Total/NA	Solid	8021B	30669
890-2641-2	SW-2	Total/NA	Solid	8021B	30669
890-2641-3	SW-3	Total/NA	Solid	8021B	30669
890-2641-4	SW-4	Total/NA	Solid	8021B	30669
890-2641-5	SW-5	Total/NA	Solid	8021B	30669
890-2641-6	SW-6	Total/NA	Solid	8021B	30669
890-2641-7	S-1 (0-1)	Total/NA	Solid	8021B	30669
890-2641-8	S-2 (0-1)	Total/NA	Solid	8021B	30669
890-2641-9	S-3 (0-1)	Total/NA	Solid	8021B	30669
890-2641-10	S-4 (0-1)	Total/NA	Solid	8021B	30669
890-2641-11	S-5 (1-1.5)	Total/NA	Solid	8021B	30669
890-2641-12	S-6 (1-1.5)	Total/NA	Solid	8021B	30669
890-2641-13	S-7 (0-1)	Total/NA	Solid	8021B	30669
MB 880-30589/5-A	Method Blank	Total/NA	Solid	8021B	30589
MB 880-30669/5-A	Method Blank	Total/NA	Solid	8021B	30669
LCS 880-30589/1-A	Lab Control Sample	Total/NA	Solid	8021B	30589
LCS 880-30669/1-A	Lab Control Sample	Total/NA	Solid	8021B	30669
LCSD 880-30589/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30589
LCSD 880-30669/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30669
880-17202-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	30589
880-17202-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30589
890-2641-1 MS	SW-1	Total/NA	Solid	8021B	30669

QC Association Summary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

GC VOA (Continued)

Analysis Batch: 30859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-1 MSD	SW-1	Total/NA	Solid	8021B	30669

Analysis Batch: 30968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-1	SW-1	Total/NA	Solid	Total BTEX	
890-2641-2	SW-2	Total/NA	Solid	Total BTEX	
890-2641-3	SW-3	Total/NA	Solid	Total BTEX	
890-2641-4	SW-4	Total/NA	Solid	Total BTEX	
890-2641-5	SW-5	Total/NA	Solid	Total BTEX	
890-2641-6	SW-6	Total/NA	Solid	Total BTEX	
890-2641-7	S-1 (0-1)	Total/NA	Solid	Total BTEX	
890-2641-8	S-2 (0-1)	Total/NA	Solid	Total BTEX	
890-2641-9	S-3 (0-1)	Total/NA	Solid	Total BTEX	
890-2641-10	S-4 (0-1)	Total/NA	Solid	Total BTEX	
890-2641-11	S-5 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2641-12	S-6 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2641-13	S-7 (0-1)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 30743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-12	S-6 (1-1.5)	Total/NA	Solid	8015B NM	30847
890-2641-13	S-7 (0-1)	Total/NA	Solid	8015B NM	30847
MB 880-30847/1-A	Method Blank	Total/NA	Solid	8015B NM	30847
LCS 880-30847/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30847
LCSD 880-30847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30847
890-2633-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	30847
890-2633-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	30847

Prep Batch: 30847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-12	S-6 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2641-13	S-7 (0-1)	Total/NA	Solid	8015NM Prep	
MB 880-30847/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30847/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2633-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2633-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-1	SW-1	Total/NA	Solid	8015B NM	30915
890-2641-2	SW-2	Total/NA	Solid	8015B NM	30915
890-2641-3	SW-3	Total/NA	Solid	8015B NM	30915
890-2641-4	SW-4	Total/NA	Solid	8015B NM	30915
890-2641-5	SW-5	Total/NA	Solid	8015B NM	30915
890-2641-6	SW-6	Total/NA	Solid	8015B NM	30915
890-2641-7	S-1 (0-1)	Total/NA	Solid	8015B NM	30915
890-2641-8	S-2 (0-1)	Total/NA	Solid	8015B NM	30915
890-2641-9	S-3 (0-1)	Total/NA	Solid	8015B NM	30915

QC Association Summary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

GC Semi VOA (Continued)

Analysis Batch: 30863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-10	S-4 (0-1)	Total/NA	Solid	8015B NM	30915
890-2641-11	S-5 (1-1.5)	Total/NA	Solid	8015B NM	30915
MB 880-30915/1-A	Method Blank	Total/NA	Solid	8015B NM	30915
LCS 880-30915/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30915
LCSD 880-30915/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30915
890-2641-1 MS	SW-1	Total/NA	Solid	8015B NM	30915
890-2641-1 MSD	SW-1	Total/NA	Solid	8015B NM	30915

Analysis Batch: 30877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-1	SW-1	Total/NA	Solid	8015 NM	
890-2641-2	SW-2	Total/NA	Solid	8015 NM	
890-2641-3	SW-3	Total/NA	Solid	8015 NM	
890-2641-4	SW-4	Total/NA	Solid	8015 NM	
890-2641-5	SW-5	Total/NA	Solid	8015 NM	
890-2641-6	SW-6	Total/NA	Solid	8015 NM	
890-2641-7	S-1 (0-1)	Total/NA	Solid	8015 NM	
890-2641-8	S-2 (0-1)	Total/NA	Solid	8015 NM	
890-2641-9	S-3 (0-1)	Total/NA	Solid	8015 NM	
890-2641-10	S-4 (0-1)	Total/NA	Solid	8015 NM	
890-2641-11	S-5 (1-1.5)	Total/NA	Solid	8015 NM	
890-2641-12	S-6 (1-1.5)	Total/NA	Solid	8015 NM	
890-2641-13	S-7 (0-1)	Total/NA	Solid	8015 NM	

Prep Batch: 30915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-1	SW-1	Total/NA	Solid	8015NM Prep	
890-2641-2	SW-2	Total/NA	Solid	8015NM Prep	
890-2641-3	SW-3	Total/NA	Solid	8015NM Prep	
890-2641-4	SW-4	Total/NA	Solid	8015NM Prep	
890-2641-5	SW-5	Total/NA	Solid	8015NM Prep	
890-2641-6	SW-6	Total/NA	Solid	8015NM Prep	
890-2641-7	S-1 (0-1)	Total/NA	Solid	8015NM Prep	
890-2641-8	S-2 (0-1)	Total/NA	Solid	8015NM Prep	
890-2641-9	S-3 (0-1)	Total/NA	Solid	8015NM Prep	
890-2641-10	S-4 (0-1)	Total/NA	Solid	8015NM Prep	
890-2641-11	S-5 (1-1.5)	Total/NA	Solid	8015NM Prep	
MB 880-30915/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30915/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30915/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2641-1 MS	SW-1	Total/NA	Solid	8015NM Prep	
890-2641-1 MSD	SW-1	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 30679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-1	SW-1	Soluble	Solid	DI Leach	
890-2641-2	SW-2	Soluble	Solid	DI Leach	
890-2641-3	SW-3	Soluble	Solid	DI Leach	
890-2641-4	SW-4	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

HPLC/IC (Continued)

Leach Batch: 30679 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-5	SW-5	Soluble	Solid	DI Leach	
890-2641-6	SW-6	Soluble	Solid	DI Leach	
890-2641-7	S-1 (0-1)	Soluble	Solid	DI Leach	
890-2641-8	S-2 (0-1)	Soluble	Solid	DI Leach	
890-2641-9	S-3 (0-1)	Soluble	Solid	DI Leach	
890-2641-10	S-4 (0-1)	Soluble	Solid	DI Leach	
890-2641-11	S-5 (1-1.5)	Soluble	Solid	DI Leach	
890-2641-12	S-6 (1-1.5)	Soluble	Solid	DI Leach	
890-2641-13	S-7 (0-1)	Soluble	Solid	DI Leach	
MB 880-30679/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30679/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30679/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2636-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2636-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-2641-7 MS	S-1 (0-1)	Soluble	Solid	DI Leach	
890-2641-7 MSD	S-1 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 30826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2641-1	SW-1	Soluble	Solid	300.0	30679
890-2641-2	SW-2	Soluble	Solid	300.0	30679
890-2641-3	SW-3	Soluble	Solid	300.0	30679
890-2641-4	SW-4	Soluble	Solid	300.0	30679
890-2641-5	SW-5	Soluble	Solid	300.0	30679
890-2641-6	SW-6	Soluble	Solid	300.0	30679
890-2641-7	S-1 (0-1)	Soluble	Solid	300.0	30679
890-2641-8	S-2 (0-1)	Soluble	Solid	300.0	30679
890-2641-9	S-3 (0-1)	Soluble	Solid	300.0	30679
890-2641-10	S-4 (0-1)	Soluble	Solid	300.0	30679
890-2641-11	S-5 (1-1.5)	Soluble	Solid	300.0	30679
890-2641-12	S-6 (1-1.5)	Soluble	Solid	300.0	30679
890-2641-13	S-7 (0-1)	Soluble	Solid	300.0	30679
MB 880-30679/1-A	Method Blank	Soluble	Solid	300.0	30679
LCS 880-30679/2-A	Lab Control Sample	Soluble	Solid	300.0	30679
LCSD 880-30679/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30679
890-2636-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	30679
890-2636-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30679
890-2641-7 MS	S-1 (0-1)	Soluble	Solid	300.0	30679
890-2641-7 MSD	S-1 (0-1)	Soluble	Solid	300.0	30679

Lab Chronicle

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: SW-1
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 13:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/28/22 21:28	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		20			30826	07/28/22 02:28	CH	XEN MID

Client Sample ID: SW-2
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 13:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/28/22 22:33	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 02:51	CH	XEN MID

Client Sample ID: SW-3
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 14:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/28/22 22:55	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 02:59	CH	XEN MID

Client Sample ID: SW-4
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 14:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: SW-4
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/28/22 23:17	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 03:07	CH	XEN MID

Client Sample ID: SW-5
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 15:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/28/22 23:38	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 03:15	CH	XEN MID

Client Sample ID: SW-6
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 15:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/29/22 00:00	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 03:23	CH	XEN MID

Client Sample ID: S-1 (0-1)
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 15:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/29/22 00:21	SM	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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

Lab Sample ID: 890-2641-7
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 03:30	CH	XEN MID

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

Lab Sample ID: 890-2641-8
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

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	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 16:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/29/22 00:43	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 11:46	CH	XEN MID

Client Sample ID: S-3 (0-1)

Lab Sample ID: 890-2641-9
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

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	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 16:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/29/22 01:04	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 04:02	CH	XEN MID

Client Sample ID: S-4 (0-1)

Lab Sample ID: 890-2641-10
Matrix: Solid
Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

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	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 17:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/29/22 01:26	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 04:25	CH	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Client Sample ID: S-5 (1-1.5)

Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 19:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30915	07/28/22 11:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30863	07/29/22 02:09	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 11:54	CH	XEN MID

Client Sample ID: S-6 (1-1.5)

Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	30859	07/28/22 19:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30847	07/27/22 16:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30743	07/28/22 01:36	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 04:41	CH	XEN MID

Client Sample ID: S-7 (0-1)

Date Collected: 07/22/22 00:00
Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	30669	07/26/22 10:50	MR	XEN MID
Total/NA	Analysis	8021B		1			30859	07/28/22 19:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30968	07/29/22 09:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30877	07/28/22 09:08	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30847	07/27/22 16:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30743	07/28/22 02:16	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30679	07/26/22 11:04	CH	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 04:49	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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	T104704400-22-24	06-30-23

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

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

Method Summary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: DWU FEDERAL 1

Job ID: 890-2641-1
SDG: 225968

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2641-1	SW-1	Solid	07/22/22 00:00	07/22/22 15:44	1
890-2641-2	SW-2	Solid	07/22/22 00:00	07/22/22 15:44	2
890-2641-3	SW-3	Solid	07/22/22 00:00	07/22/22 15:44	3
890-2641-4	SW-4	Solid	07/22/22 00:00	07/22/22 15:44	4
890-2641-5	SW-5	Solid	07/22/22 00:00	07/22/22 15:44	5
890-2641-6	SW-6	Solid	07/22/22 00:00	07/22/22 15:44	6
890-2641-7	S-1 (0-1)	Solid	07/22/22 00:00	07/22/22 15:44	0 - 1
890-2641-8	S-2 (0-1)	Solid	07/22/22 00:00	07/22/22 15:44	0 - 1
890-2641-9	S-3 (0-1)	Solid	07/22/22 00:00	07/22/22 15:44	0 - 1
890-2641-10	S-4 (0-1)	Solid	07/22/22 00:00	07/22/22 15:44	0 - 1
890-2641-11	S-5 (1-1.5)	Solid	07/22/22 00:00	07/22/22 15:44	0 - 1.5
890-2641-12	S-6 (1-1.5)	Solid	07/22/22 00:00	07/22/22 15:44	0 - 1.5
890-2641-13	S-7 (0-1)	Solid	07/22/22 00:00	07/22/22 15:44	0 - 1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 1 of 2

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	DWU Federal 1	Turn Around	
Project Number:	225968	☑ Routine ☐ Rush	
Project Location	Eddy County	Due Date:	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR#_007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.6
Total Containers:	13	Corrected Temperature:	5.4

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
SW-1	7/22/2022		X		Comp	1		X	X	X		
SW-2	7/22/2022		X		Comp	1		X	X	X		
SW-3	7/22/2022		X		Comp	1		X	X	X		
SW-4	7/22/2022		X		Comp	1		X	X	X		
SW-5	7/22/2022		X		Comp	1		X	X	X		
SW-6	7/22/2022		X		Comp	1		X	X	X		
S-1 (0-1)	7/22/2022		X		Comp	1		X	X	X		
S-2 (0-1)	7/22/2022		X		Comp	1		X	X	X		
S-3 (0-1)	7/22/2022		X		Comp	1		X	X	X		
S-4 (0-1)	7/22/2022		X		Comp	1		X	X	X		

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		7.22.22 1544			
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 2 of 2

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	DWU Federal 1	Turn Around	
Project Number:	225968	☑ Routine ☐ Rush	
Project Location	Eddy County	Due Date:	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:	13	Corrected Temperature:		

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-5 (1-1.5)	7/22/2022		X		Comp	1		X	X	X		
S-6 (1-1.5)	7/22/2022		X		Comp	1		X	X	X		
S-7 (0-1)	7/22/2022		X		Comp	1		X	X	X		
	7/22/2022		X		Comp	1		X	X	X		
	7/22/2022		X		Comp	1		X	X	X		
	7/22/2022		X		Comp	1		X	X	X		
	7/22/2022		X		Comp	1		X	X	X		
	7/22/2022		X		Comp	1		X	X	X		
	7/22/2022		X		Comp	1		X	X	X		
	7/22/2022		X		Comp	1		X	X	X		

Additional Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		7.22.22 1544			
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2641-1
SDG Number: 225968

Login Number: 2641
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.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2641-1
SDG Number: 225968

Login Number: 2641
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 07/26/22 10:50 AM

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2963-1
Laboratory Sample Delivery Group: 225968
Client Project/Site: DWU Federal #1

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Ethan Sessums

JKramer

Authorized for release by:
9/27/2022 9:13:09 AM

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

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

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

Client: NT Global
Project/Site: DWU Federal #1

Laboratory Job ID: 890-2963-1
SDG: 225968

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Job ID: 890-2963-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2963-1

Receipt
The samples were received on 9/14/2022 3:30 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 27.3°C

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: SW-1 (890-2963-1), SW-2 (890-2963-2), SW-3 (890-2963-3), SW-4 (890-2963-4), SW-5 (890-2963-5), SW-6 (890-2963-6), SW-7 (890-2963-7), SW-8 (890-2963-8), CS-1 (2') (890-2963-9), CS-2 (2') (890-2963-10), CS-3 (2') (890-2963-11), CS-4 (2') (890-2963-12), CS-5 (2") (890-2963-13), CS-6 (2') (890-2963-14), CS-7 (2') (890-2963-15), CS-8 (2') (890-2963-16), CS-9 (2') (890-2963-17), CS-10 (2') (890-2963-18), CS-11 (2') (890-2963-19), CS-12 (2') (890-2963-20), CS-13 (2') (890-2963-21), CS-14 (2') (890-2963-22), CS-15 (2') (890-2963-23), CS-16 (2') (890-2963-24), CS-17 (2') (890-2963-25) and CS-18 (2') (890-2963-26). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to <CHOOSE_ONE> proceed with/cancel analysis.

Samples were out of temp range 27.5/27.3 Client wants to proceed with testing

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-35203/1-A) and (LCSD 880-35203/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-13 (2') (890-2963-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-15 (2') (890-2963-23), CS-16 (2') (890-2963-24), CS-17 (2') (890-2963-25) and CS-18 (2') (890-2963-26). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-35200/1-A) and (LCSD 880-35200/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-3 (890-2963-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-5 (890-2963-5), SW-6 (890-2963-6), SW-7 (890-2963-7), SW-8 (890-2963-8), CS-1 (2') (890-2963-9) and CS-2 (2') (890-2963-10). 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 880-35200 and analytical batch 880-35326 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35335 and analytical batch 880-35348 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-12 (2') (890-2963-20). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-35203 and analytical batch 880-35330 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Case Narrative

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Job ID: 890-2963-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-15 (2') (890-2963-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-2963-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-34674 and analytical batch 880-34626 was outside the upper control limits.

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

HPLC/IC

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

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: SW-1

Lab Sample ID: 890-2963-1
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/22 15:51	09/24/22 15:52	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		09/22/22 15:51	09/24/22 15:52	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		09/22/22 15:51	09/24/22 15:52	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		09/22/22 15:51	09/24/22 15:52	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		09/22/22 15:51	09/24/22 15:52	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		09/22/22 15:51	09/24/22 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*09/22/22 15:51*	*09/24/22 15:52*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*09/22/22 15:51*	*09/24/22 15:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**97.4**		49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 18:53	1
Diesel Range Organics (Over C10-C28)	**97.4**		49.9		mg/Kg		09/16/22 11:45	09/16/22 18:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/16/22 11:45*	*09/16/22 18:53*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/16/22 11:45*	*09/16/22 18:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**271**		4.98		mg/Kg			09/21/22 00:54	1

Client Sample ID: SW-2

Lab Sample ID: 890-2963-2
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 16:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 16:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 16:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/22/22 15:51	09/24/22 16:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 16:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/22/22 15:51	09/24/22 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/22/22 15:51*	*09/24/22 16:19*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*09/22/22 15:51*	*09/24/22 16:19*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: SW-2

Lab Sample ID: 890-2963-2
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 19:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 19:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*09/16/22 11:45*	*09/16/22 19:58*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/16/22 11:45*	*09/16/22 19:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**176**		4.95		mg/Kg			09/21/22 01:09	1

Client Sample ID: SW-3

Lab Sample ID: 890-2963-3
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 16:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 16:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 16:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/22 15:51	09/24/22 16:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 16:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/22 15:51	09/24/22 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*09/22/22 15:51*	*09/24/22 16:46*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*09/22/22 15:51*	*09/24/22 16:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 20:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 20:19	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: SW-3

Lab Sample ID: 890-2963-3
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/16/22 11:45*	*09/16/22 20:19*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/16/22 11:45*	*09/16/22 20:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**138**		4.96		mg/Kg			09/21/22 01:13	1

Client Sample ID: SW-4

Lab Sample ID: 890-2963-4
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 17:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/22 15:51	09/24/22 17:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 17:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/22 15:51	09/24/22 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*09/22/22 15:51*	*09/24/22 17:13*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*09/22/22 15:51*	*09/24/22 17:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 20:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 20:40	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/16/22 11:45*	*09/16/22 20:40*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/16/22 11:45*	*09/16/22 20:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.3**		5.04		mg/Kg			09/21/22 01:18	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: SW-5

Lab Sample ID: 890-2963-5
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/22 15:51	09/24/22 17:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/22 15:51	09/24/22 17:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/22 15:51	09/24/22 17:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/22 15:51	09/24/22 17:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/22 15:51	09/24/22 17:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/22 15:51	09/24/22 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*09/22/22 15:51*	*09/24/22 17:40*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*09/22/22 15:51*	*09/24/22 17:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**84.1**		50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 21:02	1
Diesel Range Organics (Over C10-C28)	**84.1**		50.0		mg/Kg		09/16/22 11:45	09/16/22 21:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/16/22 11:45*	*09/16/22 21:02*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/16/22 11:45*	*09/16/22 21:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.7**		4.97		mg/Kg			09/21/22 01:23	1

Client Sample ID: SW-6

Lab Sample ID: 890-2963-6
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 18:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 18:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 18:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/22/22 15:51	09/24/22 18:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 18:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/22/22 15:51	09/24/22 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*09/22/22 15:51*	*09/24/22 18:06*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*09/22/22 15:51*	*09/24/22 18:06*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: SW-6

Lab Sample ID: 890-2963-6
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 21:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 21:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/16/22 11:45*	*09/16/22 21:23*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/16/22 11:45*	*09/16/22 21:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.8**		4.98		mg/Kg			09/21/22 01:38	1

Client Sample ID: SW-7

Lab Sample ID: 890-2963-7
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 18:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 18:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 18:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/22 15:51	09/24/22 18:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 18:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/22 15:51	09/24/22 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*09/22/22 15:51*	*09/24/22 18:33*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*09/22/22 15:51*	*09/24/22 18:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 21:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 21:45	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: SW-7

Lab Sample ID: 890-2963-7
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/16/22 11:45*	*09/16/22 21:45*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/16/22 11:45*	*09/16/22 21:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.46**		5.00		mg/Kg			09/21/22 01:43	1

Client Sample ID: SW-8

Lab Sample ID: 890-2963-8
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 18:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 18:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 18:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/22 15:51	09/24/22 18:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 18:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/22 15:51	09/24/22 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*09/22/22 15:51*	*09/24/22 18:59*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*09/22/22 15:51*	*09/24/22 18:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/16/22 11:45*	*09/16/22 22:06*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/16/22 11:45*	*09/16/22 22:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**196**		4.95		mg/Kg			09/21/22 01:47	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-1 (2')

Lab Sample ID: 890-2963-9
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 19:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 19:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 19:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/22/22 15:51	09/24/22 19:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 19:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/22/22 15:51	09/24/22 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*09/22/22 15:51*	*09/24/22 19:26*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*09/22/22 15:51*	*09/24/22 19:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/16/22 11:45*	*09/16/22 22:28*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/16/22 11:45*	*09/16/22 22:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.0**		4.98		mg/Kg			09/21/22 01:52	1

Client Sample ID: CS-2 (2')

Lab Sample ID: 890-2963-10
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 19:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 19:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 19:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/22 15:51	09/24/22 19:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:51	09/24/22 19:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/22 15:51	09/24/22 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*09/22/22 15:51*	*09/24/22 19:53*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*09/22/22 15:51*	*09/24/22 19:53*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-2 (2')

Lab Sample ID: 890-2963-10
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*09/16/22 11:45*	*09/16/22 22:50*	*1*
o-Terphenyl	*116*		*70 - 130*	*09/16/22 11:45*	*09/16/22 22:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.9**		4.96		mg/Kg			09/21/22 01:57	1

Client Sample ID: CS-3 (2')

Lab Sample ID: 890-2963-11
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 17:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 17:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 17:15	1
m-Xylene & p-Xylene	**0.00463**		0.00398		mg/Kg		09/25/22 12:23	09/26/22 17:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 17:15	1
Xylenes, Total	**0.00463**		0.00398		mg/Kg		09/25/22 12:23	09/26/22 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/25/22 12:23*	*09/26/22 17:15*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*09/25/22 12:23*	*09/26/22 17:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00463**		0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 23:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 23:33	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-3 (2')

Lab Sample ID: 890-2963-11
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/16/22 11:45*	*09/16/22 23:33*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/16/22 11:45*	*09/16/22 23:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		5.05		mg/Kg			09/21/22 02:02	1

Client Sample ID: CS-4 (2')

Lab Sample ID: 890-2963-12
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/25/22 12:23	09/26/22 17:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/25/22 12:23	09/26/22 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*09/25/22 12:23*	*09/26/22 17:36*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*09/25/22 12:23*	*09/26/22 17:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 23:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 23:54	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*09/16/22 11:45*	*09/16/22 23:54*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/16/22 11:45*	*09/16/22 23:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.3**		4.95		mg/Kg			09/21/22 02:17	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-5 (2")

Lab Sample ID: 890-2963-13
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/22 12:23	09/26/22 17:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/22 12:23	09/26/22 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/25/22 12:23*	*09/26/22 17:56*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/25/22 12:23*	*09/26/22 17:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 00:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*09/16/22 11:45*	*09/17/22 00:16*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/16/22 11:45*	*09/17/22 00:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.7**		4.98		mg/Kg			09/21/22 02:21	1

Client Sample ID: CS-6 (2')

Lab Sample ID: 890-2963-14
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 18:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 18:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 18:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/25/22 12:23	09/26/22 18:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 18:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/22 12:23	09/26/22 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/25/22 12:23*	*09/26/22 18:17*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/25/22 12:23*	*09/26/22 18:17*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-6 (2')

Lab Sample ID: 890-2963-14
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 00:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 00:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/16/22 11:45*	*09/17/22 00:37*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/16/22 11:45*	*09/17/22 00:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.8**		5.02		mg/Kg			09/21/22 02:36	1

Client Sample ID: CS-7 (2')

Lab Sample ID: 890-2963-15
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/25/22 12:23	09/26/22 18:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/25/22 12:23	09/26/22 18:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/25/22 12:23	09/26/22 18:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/25/22 12:23	09/26/22 18:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/25/22 12:23	09/26/22 18:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/25/22 12:23	09/26/22 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/25/22 12:23*	*09/26/22 18:37*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/25/22 12:23*	*09/26/22 18:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 00:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 00:59	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-7 (2')

Lab Sample ID: 890-2963-15
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/16/22 11:45*	*09/17/22 00:59*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/16/22 11:45*	*09/17/22 00:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.1**		4.98		mg/Kg			09/21/22 02:41	1

Client Sample ID: CS-8 (2')

Lab Sample ID: 890-2963-16
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 18:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 18:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 18:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/25/22 12:23	09/26/22 18:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 18:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/22 12:23	09/26/22 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*09/25/22 12:23*	*09/26/22 18:57*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/25/22 12:23*	*09/26/22 18:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 01:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 01:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/16/22 11:45*	*09/17/22 01:21*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/16/22 11:45*	*09/17/22 01:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**157**		5.00		mg/Kg			09/21/22 02:46	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-9 (2')

Lab Sample ID: 890-2963-17
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 19:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 19:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 19:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/25/22 12:23	09/26/22 19:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 19:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/22 12:23	09/26/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*09/25/22 12:23*	*09/26/22 19:18*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*09/25/22 12:23*	*09/26/22 19:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 01:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 01:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*09/16/22 11:45*	*09/17/22 01:42*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/16/22 11:45*	*09/17/22 01:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.1**		4.99		mg/Kg			09/21/22 02:50	1

Client Sample ID: CS-10 (2')

Lab Sample ID: 890-2963-18
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 19:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 19:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 19:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/25/22 12:23	09/26/22 19:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 19:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/25/22 12:23	09/26/22 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/25/22 12:23*	*09/26/22 19:38*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/25/22 12:23*	*09/26/22 19:38*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-10 (2')

Lab Sample ID: 890-2963-18
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*09/16/22 11:45*	*09/17/22 02:03*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/16/22 11:45*	*09/17/22 02:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.7**		4.99		mg/Kg			09/21/22 02:55	1

Client Sample ID: CS-11 (2')

Lab Sample ID: 890-2963-19
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 19:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 19:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 19:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/22 12:23	09/26/22 19:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 19:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/22 12:23	09/26/22 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*09/25/22 12:23*	*09/26/22 19:59*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*09/25/22 12:23*	*09/26/22 19:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:25	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-11 (2')

Lab Sample ID: 890-2963-19
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/16/22 11:45*	*09/17/22 02:25*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/16/22 11:45*	*09/17/22 02:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.3**		4.96		mg/Kg			09/21/22 03:00	1

Client Sample ID: CS-12 (2')

Lab Sample ID: 890-2963-20
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 20:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 20:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 20:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/25/22 12:23	09/26/22 20:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:23	09/26/22 20:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/22 12:23	09/26/22 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/25/22 12:23*	*09/26/22 20:19*	*1*
1,4-Difluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*09/25/22 12:23*	*09/26/22 20:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 02:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 02:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/16/22 11:45*	*09/17/22 02:46*	*1*
o-Terphenyl	*105*		*70 - 130*	*09/16/22 11:45*	*09/17/22 02:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.4**		5.05		mg/Kg			09/19/22 22:48	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-13 (2')

Lab Sample ID: 890-2963-21
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 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		09/22/22 16:10	09/25/22 14:42	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		09/22/22 16:10	09/25/22 14:42	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		09/22/22 16:10	09/25/22 14:42	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		09/22/22 16:10	09/25/22 14:42	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		09/22/22 16:10	09/25/22 14:42	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		09/22/22 16:10	09/25/22 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*09/22/22 16:10*	*09/25/22 14:42*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*09/22/22 16:10*	*09/25/22 14:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:48	09/17/22 03:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:48	09/17/22 03:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:48	09/17/22 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/16/22 11:48*	*09/17/22 03:51*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/16/22 11:48*	*09/17/22 03:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.6**		4.98		mg/Kg			09/19/22 23:02	1

Client Sample ID: CS-14 (2')

Lab Sample ID: 890-2963-22
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/22/22 16:10	09/25/22 15:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/22/22 16:10	09/25/22 15:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/22/22 16:10	09/25/22 15:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/22/22 16:10	09/25/22 15:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/22/22 16:10	09/25/22 15:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/22/22 16:10	09/25/22 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*09/22/22 16:10*	*09/25/22 15:09*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*09/22/22 16:10*	*09/25/22 15:09*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-14 (2')

Lab Sample ID: 890-2963-22
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**121**		50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:48	09/17/22 04:12	1
Diesel Range Organics (Over C10-C28)	**121**		50.0		mg/Kg		09/16/22 11:48	09/17/22 04:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:48	09/17/22 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/16/22 11:48*	*09/17/22 04:12*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/16/22 11:48*	*09/17/22 04:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.7**		4.99		mg/Kg			09/19/22 23:07	1

Client Sample ID: CS-15 (2')

Lab Sample ID: 890-2963-23
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/22 16:10	09/25/22 15:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/22 16:10	09/25/22 15:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/22 16:10	09/25/22 15:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/22 16:10	09/25/22 15:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/22 16:10	09/25/22 15:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/22 16:10	09/25/22 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*09/22/22 16:10*	*09/25/22 15:35*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*09/22/22 16:10*	*09/25/22 15:35*	*1*

Method: 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			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**281**		50.0		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:48	09/17/22 04:34	1
Diesel Range Organics (Over C10-C28)	**224**		50.0		mg/Kg		09/16/22 11:48	09/17/22 04:34	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-15 (2')

Lab Sample ID: 890-2963-23
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	**56.6**		50.0		mg/Kg		09/16/22 11:48	09/17/22 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*09/16/22 11:48*	*09/17/22 04:34*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*09/16/22 11:48*	*09/17/22 04:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.8**		5.05		mg/Kg			09/19/22 23:12	1

Client Sample ID: CS-16 (2')

Lab Sample ID: 890-2963-24
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 16:10	09/25/22 16:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 16:10	09/25/22 16:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 16:10	09/25/22 16:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/22 16:10	09/25/22 16:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 16:10	09/25/22 16:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/22 16:10	09/25/22 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*09/22/22 16:10*	*09/25/22 16:02*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*09/22/22 16:10*	*09/25/22 16:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**75.5**		49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:48	09/17/22 04:56	1
Diesel Range Organics (Over C10-C28)	**75.5**		49.9		mg/Kg		09/16/22 11:48	09/17/22 04:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:48	09/17/22 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/16/22 11:48*	*09/17/22 04:56*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/16/22 11:48*	*09/17/22 04:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.7**		5.00		mg/Kg			09/19/22 23:17	1

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-17 (2')

Lab Sample ID: 890-2963-25
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/22 16:10	09/25/22 16:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/22 16:10	09/25/22 16:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/22 16:10	09/25/22 16:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/22 16:10	09/25/22 16:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/22 16:10	09/25/22 16:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/22 16:10	09/25/22 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*09/22/22 16:10*	*09/25/22 16:28*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*09/22/22 16:10*	*09/25/22 16:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/22 11:48	09/17/22 05:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/22 11:48	09/17/22 05:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/22 11:48	09/17/22 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/16/22 11:48*	*09/17/22 05:17*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/16/22 11:48*	*09/17/22 05:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		24.8		mg/Kg			09/19/22 23:31	5

Client Sample ID: CS-18 (2')

Lab Sample ID: 890-2963-26
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/22 16:10	09/25/22 16:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/22 16:10	09/25/22 16:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/22 16:10	09/25/22 16:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/22 16:10	09/25/22 16:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/22 16:10	09/25/22 16:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/22 16:10	09/25/22 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*09/22/22 16:10*	*09/25/22 16:55*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*09/22/22 16:10*	*09/25/22 16:55*	*1*

Client Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-18 (2')

Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-26

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/19/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/16/22 11:48	09/17/22 05:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/16/22 11:48	09/17/22 05:39	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/16/22 11:48	09/17/22 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/16/22 11:48*	*09/17/22 05:39*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/16/22 11:48*	*09/17/22 05:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.2**		4.95		mg/Kg			09/19/22 23:36	1

Surrogate Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-2953-A-53-D MS	Matrix Spike	87	109										
890-2953-A-53-E MSD	Matrix Spike Duplicate	90	111										
890-2963-1	SW-1	127	74										
890-2963-1 MS	SW-1	116	79										
890-2963-1 MSD	SW-1	112	74										
890-2963-2	SW-2	117	73										
890-2963-3	SW-3	133 S1+	79										
890-2963-4	SW-4	127	77										
890-2963-5	SW-5	142 S1+	81										
890-2963-6	SW-6	138 S1+	83										
890-2963-7	SW-7	135 S1+	77										
890-2963-8	SW-8	149 S1+	82										
890-2963-9	CS-1 (2')	131 S1+	77										
890-2963-10	CS-2 (2')	152 S1+	82										
890-2963-11	CS-3 (2')	92	118										
890-2963-12	CS-4 (2')	87	110										
890-2963-13	CS-5 (2")	102	98										
890-2963-14	CS-6 (2')	92	106										
890-2963-15	CS-7 (2')	100	99										
890-2963-16	CS-8 (2')	85	107										
890-2963-17	CS-9 (2')	81	120										
890-2963-18	CS-10 (2')	100	105										
890-2963-19	CS-11 (2')	97	121										
890-2963-20	CS-12 (2')	94	141 S1+										
890-2963-21	CS-13 (2')	133 S1+	75										
890-2963-21 MS	CS-13 (2')	121	75										
890-2963-21 MSD	CS-13 (2')	122	77										
890-2963-22	CS-14 (2')	119	73										
890-2963-23	CS-15 (2')	140 S1+	75										
890-2963-24	CS-16 (2')	148 S1+	71										
890-2963-25	CS-17 (2')	157 S1+	80										
890-2963-26	CS-18 (2')	145 S1+	78										
LCS 880-35200/1-A	Lab Control Sample	138 S1+	76										
LCS 880-35203/1-A	Lab Control Sample	137 S1+	82										
LCS 880-35335/1-A	Lab Control Sample	81	106										
LCSD 880-35200/2-A	Lab Control Sample Dup	139 S1+	78										
LCSD 880-35203/2-A	Lab Control Sample Dup	133 S1+	80										
LCSD 880-35335/2-A	Lab Control Sample Dup	82	110										
MB 880-35200/5-A	Method Blank	97	71										
MB 880-35203/5-A	Method Blank	101	73										
MB 880-35335/5-A	Method Blank	104	114										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

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)										
890-2963-1	SW-1	95	97										
890-2963-1 MS	SW-1	97	95										
890-2963-1 MSD	SW-1	135 S1+	110										
890-2963-2	SW-2	96	98										
890-2963-3	SW-3	95	98										
890-2963-4	SW-4	93	93										
890-2963-5	SW-5	95	97										
890-2963-6	SW-6	95	99										
890-2963-7	SW-7	94	96										
890-2963-8	SW-8	94	97										
890-2963-9	CS-1 (2')	101	103										
890-2963-10	CS-2 (2')	117	116										
890-2963-11	CS-3 (2')	95	98										
890-2963-12	CS-4 (2')	111	113										
890-2963-13	CS-5 (2")	116	120										
890-2963-14	CS-6 (2')	101	104										
890-2963-15	CS-7 (2')	101	104										
890-2963-16	CS-8 (2')	100	103										
890-2963-17	CS-9 (2')	99	101										
890-2963-18	CS-10 (2')	103	106										
890-2963-19	CS-11 (2')	101	106										
890-2963-20	CS-12 (2')	102	105										
890-2963-21	CS-13 (2')	88	98										
890-2963-22	CS-14 (2')	85	93										
890-2963-23	CS-15 (2')	65 S1-	64 S1-										
890-2963-24	CS-16 (2')	101	111										
890-2963-25	CS-17 (2')	100	111										
890-2963-26	CS-18 (2')	89	98										
LCS 880-34674/2-A	Lab Control Sample	119	111										
LCSD 880-34674/3-A	Lab Control Sample Dup	119	112										
MB 880-34674/1-A	Method Blank	128	134 S1+										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35200/5-A
Matrix: Solid
Analysis Batch: 35326

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35200

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 15:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 15:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 15:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/22 15:51	09/24/22 15:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 15:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/22 15:51	09/24/22 15:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*09/22/22 15:51*	*09/24/22 15:26*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*09/22/22 15:51*	*09/24/22 15:26*	*1*

Lab Sample ID: LCS 880-35200/1-A
Matrix: Solid
Analysis Batch: 35326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35200

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08238		mg/Kg		82	70 - 130
Toluene	0.100	0.08065		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08082		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1642		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08416		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*

Lab Sample ID: LCSD 880-35200/2-A
Matrix: Solid
Analysis Batch: 35326

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35200

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08346		mg/Kg		83	70 - 130	1	35
Toluene	0.100	0.08309		mg/Kg		83	70 - 130	3	35
Ethylbenzene	0.100	0.08029		mg/Kg		80	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1640		mg/Kg		82	70 - 130	0	35
o-Xylene	0.100	0.08307		mg/Kg		83	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*

Lab Sample ID: 890-2963-1 MS
Matrix: Solid
Analysis Batch: 35326

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 35200

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.07786		mg/Kg		77	70 - 130
Toluene	<0.00201	U F1	0.101	0.06683	F1	mg/Kg		66	70 - 130

QC Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

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

Lab Sample ID: 890-2963-1 MS
Matrix: Solid
Analysis Batch: 35326

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 35200

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.101	0.06148	F1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.1233	F1	mg/Kg		61	70 - 130
o-Xylene	<0.00201	U F1	0.101	0.05864	F1	mg/Kg		58	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: 890-2963-1 MSD
Matrix: Solid
Analysis Batch: 35326

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 35200

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.07513		mg/Kg		76	70 - 130	4	35
Toluene	<0.00201	U F1	0.0990	0.06480	F1	mg/Kg		65	70 - 130	3	35
Ethylbenzene	<0.00201	U F1	0.0990	0.05874	F1	mg/Kg		59	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1171	F1	mg/Kg		59	70 - 130	5	35
o-Xylene	<0.00201	U F1	0.0990	0.05659	F1	mg/Kg		57	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*

Lab Sample ID: MB 880-35203/5-A
Matrix: Solid
Analysis Batch: 35330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 16:10	09/25/22 14:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 16:10	09/25/22 14:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 16:10	09/25/22 14:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/22 16:10	09/25/22 14:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 16:10	09/25/22 14:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/22 16:10	09/25/22 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/22/22 16:10*	*09/25/22 14:16*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*09/22/22 16:10*	*09/25/22 14:16*	*1*

Lab Sample ID: LCS 880-35203/1-A
Matrix: Solid
Analysis Batch: 35330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1005		mg/Kg		101	70 - 130
Toluene	0.100	0.09958		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09332		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1892		mg/Kg		95	70 - 130

QC Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

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

Lab Sample ID: LCS 880-35203/1-A
Matrix: Solid
Analysis Batch: 35330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35203

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09187		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: LCSD 880-35203/2-A
Matrix: Solid
Analysis Batch: 35330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35203

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1073		mg/Kg		107	70 - 130	7	35
Toluene			0.100	0.09716		mg/Kg		97	70 - 130	2	35
Ethylbenzene			0.100	0.09258		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1885		mg/Kg		94	70 - 130	0	35
o-Xylene			0.100	0.09149		mg/Kg		91	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*

Lab Sample ID: 890-2963-21 MS
Matrix: Solid
Analysis Batch: 35330

Client Sample ID: CS-13 (2')
Prep Type: Total/NA
Prep Batch: 35203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F1	0.100	0.06532	F1	mg/Kg		65	70 - 130		
Toluene	<0.00201	U F1	0.100	0.06291	F1	mg/Kg		63	70 - 130		
Ethylbenzene	<0.00201	U F1	0.100	0.06368	F1	mg/Kg		64	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1300	F1	mg/Kg		65	70 - 130		
o-Xylene	<0.00201	U F1	0.100	0.06380	F1	mg/Kg		64	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*

Lab Sample ID: 890-2963-21 MSD
Matrix: Solid
Analysis Batch: 35330

Client Sample ID: CS-13 (2')
Prep Type: Total/NA
Prep Batch: 35203

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0990	0.08294		mg/Kg		84	70 - 130	24	35
Toluene	<0.00201	U F1	0.0990	0.08039		mg/Kg		81	70 - 130	24	35
Ethylbenzene	<0.00201	U F1	0.0990	0.07516		mg/Kg		76	70 - 130	17	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1532		mg/Kg		77	70 - 130	16	35
o-Xylene	<0.00201	U F1	0.0990	0.07671		mg/Kg		77	70 - 130	18	35

QC Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

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

Lab Sample ID: 890-2963-21 MSD
Matrix: Solid
Analysis Batch: 35330

Client Sample ID: CS-13 (2')
Prep Type: Total/NA
Prep Batch: 35203

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: MB 880-35335/5-A
Matrix: Solid
Analysis Batch: 35348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/25/22 12:23	09/26/22 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/25/22 12:23	09/26/22 11:52	1
1,4-Difluorobenzene (Surr)	114		70 - 130	09/25/22 12:23	09/26/22 11:52	1

Lab Sample ID: LCS 880-35335/1-A
Matrix: Solid
Analysis Batch: 35348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35335

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1061		mg/Kg		106	70 - 130		
Toluene			0.100	0.08108		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.08013		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene			0.200	0.1640		mg/Kg		82	70 - 130		
o-Xylene			0.100	0.08017		mg/Kg		80	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-35335/2-A
Matrix: Solid
Analysis Batch: 35348

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35335

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1107		mg/Kg		111	70 - 130	4	35
Toluene			0.100	0.08514		mg/Kg		85	70 - 130	5	35
Ethylbenzene			0.100	0.08106		mg/Kg		81	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1650		mg/Kg		83	70 - 130	1	35
o-Xylene			0.100	0.08115		mg/Kg		81	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130

QC Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

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

Lab Sample ID: LCSD 880-35335/2-A
Matrix: Solid
Analysis Batch: 35348

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35335

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-2953-A-53-D MS
Matrix: Solid
Analysis Batch: 35348

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0998	0.09826		mg/Kg		98	70 - 130
Toluene	<0.00198	U	0.0998	0.07700		mg/Kg		77	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.07393		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1519		mg/Kg		76	70 - 130
o-Xylene	<0.00198	U	0.0998	0.07740		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 890-2953-A-53-E MSD
Matrix: Solid
Analysis Batch: 35348

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.1007		mg/Kg		100	70 - 130	2	35
Toluene	<0.00198	U	0.101	0.08148		mg/Kg		80	70 - 130	6	35
Ethylbenzene	<0.00198	U	0.101	0.07809		mg/Kg		77	70 - 130	5	35
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1613		mg/Kg		79	70 - 130	6	35
o-Xylene	<0.00198	U	0.101	0.08219		mg/Kg		81	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-34674/1-A
Matrix: Solid
Analysis Batch: 34626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34674

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		09/16/22 11:45	09/16/22 17:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 17:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 17:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	09/16/22 11:45	09/16/22 17:48	1
o-Terphenyl	134	S1+	70 - 130	09/16/22 11:45	09/16/22 17:48	1

QC Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

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

Lab Sample ID: LCS 880-34674/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34626 — **Prep Batch: 34674**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1069		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1000		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-34674/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34626 — **Prep Batch: 34674**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1133		mg/Kg		113	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1008		mg/Kg		101	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: 890-2963-1 MS — **Client Sample ID: SW-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34626 — **Prep Batch: 34674**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	776.9		mg/Kg		76	70 - 130		
Diesel Range Organics (Over C10-C28)	97.4		996	894.0		mg/Kg		80	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: 890-2963-1 MSD — **Client Sample ID: SW-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34626 — **Prep Batch: 34674**

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	854.6		mg/Kg		83	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	97.4		999	1050		mg/Kg		95	70 - 130	16	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*135*	*S1+*	*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

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

Lab Sample ID: 890-2963-1 MSD
Matrix: Solid
Analysis Batch: 34626

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 34674

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	110		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34662/1-A
Matrix: Solid
Analysis Batch: 34856

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			09/19/22 22:33	1

Lab Sample ID: LCS 880-34662/2-A
Matrix: Solid
Analysis Batch: 34856

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.7		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-34662/3-A
Matrix: Solid
Analysis Batch: 34856

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	253.0		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 890-2963-20 MS
Matrix: Solid
Analysis Batch: 34856

Client Sample ID: CS-12 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	17.4		253	261.3		mg/Kg		97	90 - 110		

Lab Sample ID: 890-2963-20 MSD
Matrix: Solid
Analysis Batch: 34856

Client Sample ID: CS-12 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17.4		253	261.5		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-34664/1-A
Matrix: Solid
Analysis Batch: 34951

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			09/21/22 00:39	1

QC Sample Results

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-34664/2-A
Matrix: Solid
Analysis Batch: 34951

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.3		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-34664/3-A
Matrix: Solid
Analysis Batch: 34951

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	251.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-2963-1 MS
Matrix: Solid
Analysis Batch: 34951

Client Sample ID: SW-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	271		249	508.0		mg/Kg		95	90 - 110		

Lab Sample ID: 890-2963-1 MSD
Matrix: Solid
Analysis Batch: 34951

Client Sample ID: SW-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	271		249	508.6		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 890-2963-11 MS
Matrix: Solid
Analysis Batch: 34951

Client Sample ID: CS-3 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	190		253	446.2		mg/Kg		102	90 - 110		

Lab Sample ID: 890-2963-11 MSD
Matrix: Solid
Analysis Batch: 34951

Client Sample ID: CS-3 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	190		253	446.3		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

GC VOA

Prep Batch: 35200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-1	SW-1	Total/NA	Solid	5035	
890-2963-2	SW-2	Total/NA	Solid	5035	
890-2963-3	SW-3	Total/NA	Solid	5035	
890-2963-4	SW-4	Total/NA	Solid	5035	
890-2963-5	SW-5	Total/NA	Solid	5035	
890-2963-6	SW-6	Total/NA	Solid	5035	
890-2963-7	SW-7	Total/NA	Solid	5035	
890-2963-8	SW-8	Total/NA	Solid	5035	
890-2963-9	CS-1 (2')	Total/NA	Solid	5035	
890-2963-10	CS-2 (2')	Total/NA	Solid	5035	
MB 880-35200/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35200/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35200/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2963-1 MS	SW-1	Total/NA	Solid	5035	
890-2963-1 MSD	SW-1	Total/NA	Solid	5035	

Prep Batch: 35203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-21	CS-13 (2')	Total/NA	Solid	5035	
890-2963-22	CS-14 (2')	Total/NA	Solid	5035	
890-2963-23	CS-15 (2')	Total/NA	Solid	5035	
890-2963-24	CS-16 (2')	Total/NA	Solid	5035	
890-2963-25	CS-17 (2')	Total/NA	Solid	5035	
890-2963-26	CS-18 (2')	Total/NA	Solid	5035	
MB 880-35203/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35203/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35203/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2963-21 MS	CS-13 (2')	Total/NA	Solid	5035	
890-2963-21 MSD	CS-13 (2')	Total/NA	Solid	5035	

Analysis Batch: 35326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-1	SW-1	Total/NA	Solid	8021B	35200
890-2963-2	SW-2	Total/NA	Solid	8021B	35200
890-2963-3	SW-3	Total/NA	Solid	8021B	35200
890-2963-4	SW-4	Total/NA	Solid	8021B	35200
890-2963-5	SW-5	Total/NA	Solid	8021B	35200
890-2963-6	SW-6	Total/NA	Solid	8021B	35200
890-2963-7	SW-7	Total/NA	Solid	8021B	35200
890-2963-8	SW-8	Total/NA	Solid	8021B	35200
890-2963-9	CS-1 (2')	Total/NA	Solid	8021B	35200
890-2963-10	CS-2 (2')	Total/NA	Solid	8021B	35200
MB 880-35200/5-A	Method Blank	Total/NA	Solid	8021B	35200
LCS 880-35200/1-A	Lab Control Sample	Total/NA	Solid	8021B	35200
LCSD 880-35200/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35200
890-2963-1 MS	SW-1	Total/NA	Solid	8021B	35200
890-2963-1 MSD	SW-1	Total/NA	Solid	8021B	35200

Analysis Batch: 35330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-21	CS-13 (2')	Total/NA	Solid	8021B	35203

QC Association Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

GC VOA (Continued)

Analysis Batch: 35330 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-22	CS-14 (2')	Total/NA	Solid	8021B	35203
890-2963-23	CS-15 (2')	Total/NA	Solid	8021B	35203
890-2963-24	CS-16 (2')	Total/NA	Solid	8021B	35203
890-2963-25	CS-17 (2')	Total/NA	Solid	8021B	35203
890-2963-26	CS-18 (2')	Total/NA	Solid	8021B	35203
MB 880-35203/5-A	Method Blank	Total/NA	Solid	8021B	35203
LCS 880-35203/1-A	Lab Control Sample	Total/NA	Solid	8021B	35203
LCSD 880-35203/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35203
890-2963-21 MS	CS-13 (2')	Total/NA	Solid	8021B	35203
890-2963-21 MSD	CS-13 (2')	Total/NA	Solid	8021B	35203

Prep Batch: 35335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-11	CS-3 (2')	Total/NA	Solid	5035	
890-2963-12	CS-4 (2')	Total/NA	Solid	5035	
890-2963-13	CS-5 (2")	Total/NA	Solid	5035	
890-2963-14	CS-6 (2')	Total/NA	Solid	5035	
890-2963-15	CS-7 (2')	Total/NA	Solid	5035	
890-2963-16	CS-8 (2')	Total/NA	Solid	5035	
890-2963-17	CS-9 (2')	Total/NA	Solid	5035	
890-2963-18	CS-10 (2')	Total/NA	Solid	5035	
890-2963-19	CS-11 (2')	Total/NA	Solid	5035	
890-2963-20	CS-12 (2')	Total/NA	Solid	5035	
MB 880-35335/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35335/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35335/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2953-A-53-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2953-A-53-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-11	CS-3 (2')	Total/NA	Solid	8021B	35335
890-2963-12	CS-4 (2')	Total/NA	Solid	8021B	35335
890-2963-13	CS-5 (2")	Total/NA	Solid	8021B	35335
890-2963-14	CS-6 (2')	Total/NA	Solid	8021B	35335
890-2963-15	CS-7 (2')	Total/NA	Solid	8021B	35335
890-2963-16	CS-8 (2')	Total/NA	Solid	8021B	35335
890-2963-17	CS-9 (2')	Total/NA	Solid	8021B	35335
890-2963-18	CS-10 (2')	Total/NA	Solid	8021B	35335
890-2963-19	CS-11 (2')	Total/NA	Solid	8021B	35335
890-2963-20	CS-12 (2')	Total/NA	Solid	8021B	35335
MB 880-35335/5-A	Method Blank	Total/NA	Solid	8021B	35335
LCS 880-35335/1-A	Lab Control Sample	Total/NA	Solid	8021B	35335
LCSD 880-35335/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35335
890-2953-A-53-D MS	Matrix Spike	Total/NA	Solid	8021B	35335
890-2953-A-53-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35335

Analysis Batch: 35447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-1	SW-1	Total/NA	Solid	Total BTEX	
890-2963-2	SW-2	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

GC VOA (Continued)

Analysis Batch: 35447 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-3	SW-3	Total/NA	Solid	Total BTEX	
890-2963-4	SW-4	Total/NA	Solid	Total BTEX	
890-2963-5	SW-5	Total/NA	Solid	Total BTEX	
890-2963-6	SW-6	Total/NA	Solid	Total BTEX	
890-2963-7	SW-7	Total/NA	Solid	Total BTEX	
890-2963-8	SW-8	Total/NA	Solid	Total BTEX	
890-2963-9	CS-1 (2')	Total/NA	Solid	Total BTEX	
890-2963-10	CS-2 (2')	Total/NA	Solid	Total BTEX	
890-2963-11	CS-3 (2')	Total/NA	Solid	Total BTEX	
890-2963-12	CS-4 (2')	Total/NA	Solid	Total BTEX	
890-2963-13	CS-5 (2")	Total/NA	Solid	Total BTEX	
890-2963-14	CS-6 (2')	Total/NA	Solid	Total BTEX	
890-2963-15	CS-7 (2')	Total/NA	Solid	Total BTEX	
890-2963-16	CS-8 (2')	Total/NA	Solid	Total BTEX	
890-2963-17	CS-9 (2')	Total/NA	Solid	Total BTEX	
890-2963-18	CS-10 (2')	Total/NA	Solid	Total BTEX	
890-2963-19	CS-11 (2')	Total/NA	Solid	Total BTEX	
890-2963-20	CS-12 (2')	Total/NA	Solid	Total BTEX	
890-2963-21	CS-13 (2')	Total/NA	Solid	Total BTEX	
890-2963-22	CS-14 (2')	Total/NA	Solid	Total BTEX	
890-2963-23	CS-15 (2')	Total/NA	Solid	Total BTEX	
890-2963-24	CS-16 (2')	Total/NA	Solid	Total BTEX	
890-2963-25	CS-17 (2')	Total/NA	Solid	Total BTEX	
890-2963-26	CS-18 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-1	SW-1	Total/NA	Solid	8015B NM	34674
890-2963-2	SW-2	Total/NA	Solid	8015B NM	34674
890-2963-3	SW-3	Total/NA	Solid	8015B NM	34674
890-2963-4	SW-4	Total/NA	Solid	8015B NM	34674
890-2963-5	SW-5	Total/NA	Solid	8015B NM	34674
890-2963-6	SW-6	Total/NA	Solid	8015B NM	34674
890-2963-7	SW-7	Total/NA	Solid	8015B NM	34674
890-2963-8	SW-8	Total/NA	Solid	8015B NM	34674
890-2963-9	CS-1 (2')	Total/NA	Solid	8015B NM	34674
890-2963-10	CS-2 (2')	Total/NA	Solid	8015B NM	34674
890-2963-11	CS-3 (2')	Total/NA	Solid	8015B NM	34674
890-2963-12	CS-4 (2')	Total/NA	Solid	8015B NM	34674
890-2963-13	CS-5 (2")	Total/NA	Solid	8015B NM	34674
890-2963-14	CS-6 (2')	Total/NA	Solid	8015B NM	34674
890-2963-15	CS-7 (2')	Total/NA	Solid	8015B NM	34674
890-2963-16	CS-8 (2')	Total/NA	Solid	8015B NM	34674
890-2963-17	CS-9 (2')	Total/NA	Solid	8015B NM	34674
890-2963-18	CS-10 (2')	Total/NA	Solid	8015B NM	34674
890-2963-19	CS-11 (2')	Total/NA	Solid	8015B NM	34674
890-2963-20	CS-12 (2')	Total/NA	Solid	8015B NM	34674
MB 880-34674/1-A	Method Blank	Total/NA	Solid	8015B NM	34674
LCS 880-34674/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34674

QC Association Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

GC Semi VOA (Continued)

Analysis Batch: 34626 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-34674/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34674
890-2963-1 MS	SW-1	Total/NA	Solid	8015B NM	34674
890-2963-1 MSD	SW-1	Total/NA	Solid	8015B NM	34674

Analysis Batch: 34628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-21	CS-13 (2')	Total/NA	Solid	8015B NM	34675
890-2963-22	CS-14 (2')	Total/NA	Solid	8015B NM	34675
890-2963-23	CS-15 (2')	Total/NA	Solid	8015B NM	34675
890-2963-24	CS-16 (2')	Total/NA	Solid	8015B NM	34675
890-2963-25	CS-17 (2')	Total/NA	Solid	8015B NM	34675
890-2963-26	CS-18 (2')	Total/NA	Solid	8015B NM	34675

Prep Batch: 34674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-1	SW-1	Total/NA	Solid	8015NM Prep	
890-2963-2	SW-2	Total/NA	Solid	8015NM Prep	
890-2963-3	SW-3	Total/NA	Solid	8015NM Prep	
890-2963-4	SW-4	Total/NA	Solid	8015NM Prep	
890-2963-5	SW-5	Total/NA	Solid	8015NM Prep	
890-2963-6	SW-6	Total/NA	Solid	8015NM Prep	
890-2963-7	SW-7	Total/NA	Solid	8015NM Prep	
890-2963-8	SW-8	Total/NA	Solid	8015NM Prep	
890-2963-9	CS-1 (2')	Total/NA	Solid	8015NM Prep	
890-2963-10	CS-2 (2')	Total/NA	Solid	8015NM Prep	
890-2963-11	CS-3 (2')	Total/NA	Solid	8015NM Prep	
890-2963-12	CS-4 (2')	Total/NA	Solid	8015NM Prep	
890-2963-13	CS-5 (2")	Total/NA	Solid	8015NM Prep	
890-2963-14	CS-6 (2')	Total/NA	Solid	8015NM Prep	
890-2963-15	CS-7 (2')	Total/NA	Solid	8015NM Prep	
890-2963-16	CS-8 (2')	Total/NA	Solid	8015NM Prep	
890-2963-17	CS-9 (2')	Total/NA	Solid	8015NM Prep	
890-2963-18	CS-10 (2')	Total/NA	Solid	8015NM Prep	
890-2963-19	CS-11 (2')	Total/NA	Solid	8015NM Prep	
890-2963-20	CS-12 (2')	Total/NA	Solid	8015NM Prep	
MB 880-34674/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34674/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34674/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2963-1 MS	SW-1	Total/NA	Solid	8015NM Prep	
890-2963-1 MSD	SW-1	Total/NA	Solid	8015NM Prep	

Prep Batch: 34675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-21	CS-13 (2')	Total/NA	Solid	8015NM Prep	
890-2963-22	CS-14 (2')	Total/NA	Solid	8015NM Prep	
890-2963-23	CS-15 (2')	Total/NA	Solid	8015NM Prep	
890-2963-24	CS-16 (2')	Total/NA	Solid	8015NM Prep	
890-2963-25	CS-17 (2')	Total/NA	Solid	8015NM Prep	
890-2963-26	CS-18 (2')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

GC Semi VOA

Analysis Batch: 34822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-1	SW-1	Total/NA	Solid	8015 NM	
890-2963-2	SW-2	Total/NA	Solid	8015 NM	
890-2963-3	SW-3	Total/NA	Solid	8015 NM	
890-2963-4	SW-4	Total/NA	Solid	8015 NM	
890-2963-5	SW-5	Total/NA	Solid	8015 NM	
890-2963-6	SW-6	Total/NA	Solid	8015 NM	
890-2963-7	SW-7	Total/NA	Solid	8015 NM	
890-2963-8	SW-8	Total/NA	Solid	8015 NM	
890-2963-9	CS-1 (2')	Total/NA	Solid	8015 NM	
890-2963-10	CS-2 (2')	Total/NA	Solid	8015 NM	
890-2963-11	CS-3 (2')	Total/NA	Solid	8015 NM	
890-2963-12	CS-4 (2')	Total/NA	Solid	8015 NM	
890-2963-13	CS-5 (2")	Total/NA	Solid	8015 NM	
890-2963-14	CS-6 (2')	Total/NA	Solid	8015 NM	
890-2963-15	CS-7 (2')	Total/NA	Solid	8015 NM	
890-2963-16	CS-8 (2')	Total/NA	Solid	8015 NM	
890-2963-17	CS-9 (2')	Total/NA	Solid	8015 NM	
890-2963-18	CS-10 (2')	Total/NA	Solid	8015 NM	
890-2963-19	CS-11 (2')	Total/NA	Solid	8015 NM	
890-2963-20	CS-12 (2')	Total/NA	Solid	8015 NM	
890-2963-21	CS-13 (2')	Total/NA	Solid	8015 NM	
890-2963-22	CS-14 (2')	Total/NA	Solid	8015 NM	
890-2963-23	CS-15 (2')	Total/NA	Solid	8015 NM	
890-2963-24	CS-16 (2')	Total/NA	Solid	8015 NM	
890-2963-25	CS-17 (2')	Total/NA	Solid	8015 NM	
890-2963-26	CS-18 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 34662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-20	CS-12 (2')	Soluble	Solid	DI Leach	
890-2963-21	CS-13 (2')	Soluble	Solid	DI Leach	
890-2963-22	CS-14 (2')	Soluble	Solid	DI Leach	
890-2963-23	CS-15 (2')	Soluble	Solid	DI Leach	
890-2963-24	CS-16 (2')	Soluble	Solid	DI Leach	
890-2963-25	CS-17 (2')	Soluble	Solid	DI Leach	
890-2963-26	CS-18 (2')	Soluble	Solid	DI Leach	
MB 880-34662/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34662/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34662/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2963-20 MS	CS-12 (2')	Soluble	Solid	DI Leach	
890-2963-20 MSD	CS-12 (2')	Soluble	Solid	DI Leach	

Leach Batch: 34664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-1	SW-1	Soluble	Solid	DI Leach	
890-2963-2	SW-2	Soluble	Solid	DI Leach	
890-2963-3	SW-3	Soluble	Solid	DI Leach	
890-2963-4	SW-4	Soluble	Solid	DI Leach	
890-2963-5	SW-5	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

HPLC/IC (Continued)

Leach Batch: 34664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-6	SW-6	Soluble	Solid	DI Leach	
890-2963-7	SW-7	Soluble	Solid	DI Leach	
890-2963-8	SW-8	Soluble	Solid	DI Leach	
890-2963-9	CS-1 (2')	Soluble	Solid	DI Leach	
890-2963-10	CS-2 (2')	Soluble	Solid	DI Leach	
890-2963-11	CS-3 (2')	Soluble	Solid	DI Leach	
890-2963-12	CS-4 (2')	Soluble	Solid	DI Leach	
890-2963-13	CS-5 (2")	Soluble	Solid	DI Leach	
890-2963-14	CS-6 (2')	Soluble	Solid	DI Leach	
890-2963-15	CS-7 (2')	Soluble	Solid	DI Leach	
890-2963-16	CS-8 (2')	Soluble	Solid	DI Leach	
890-2963-17	CS-9 (2')	Soluble	Solid	DI Leach	
890-2963-18	CS-10 (2')	Soluble	Solid	DI Leach	
890-2963-19	CS-11 (2')	Soluble	Solid	DI Leach	
MB 880-34664/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34664/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34664/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2963-1 MS	SW-1	Soluble	Solid	DI Leach	
890-2963-1 MSD	SW-1	Soluble	Solid	DI Leach	
890-2963-11 MS	CS-3 (2')	Soluble	Solid	DI Leach	
890-2963-11 MSD	CS-3 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 34856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-20	CS-12 (2')	Soluble	Solid	300.0	34662
890-2963-21	CS-13 (2')	Soluble	Solid	300.0	34662
890-2963-22	CS-14 (2')	Soluble	Solid	300.0	34662
890-2963-23	CS-15 (2')	Soluble	Solid	300.0	34662
890-2963-24	CS-16 (2')	Soluble	Solid	300.0	34662
890-2963-25	CS-17 (2')	Soluble	Solid	300.0	34662
890-2963-26	CS-18 (2')	Soluble	Solid	300.0	34662
MB 880-34662/1-A	Method Blank	Soluble	Solid	300.0	34662
LCS 880-34662/2-A	Lab Control Sample	Soluble	Solid	300.0	34662
LCSD 880-34662/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34662
890-2963-20 MS	CS-12 (2')	Soluble	Solid	300.0	34662
890-2963-20 MSD	CS-12 (2')	Soluble	Solid	300.0	34662

Analysis Batch: 34951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-1	SW-1	Soluble	Solid	300.0	34664
890-2963-2	SW-2	Soluble	Solid	300.0	34664
890-2963-3	SW-3	Soluble	Solid	300.0	34664
890-2963-4	SW-4	Soluble	Solid	300.0	34664
890-2963-5	SW-5	Soluble	Solid	300.0	34664
890-2963-6	SW-6	Soluble	Solid	300.0	34664
890-2963-7	SW-7	Soluble	Solid	300.0	34664
890-2963-8	SW-8	Soluble	Solid	300.0	34664
890-2963-9	CS-1 (2')	Soluble	Solid	300.0	34664
890-2963-10	CS-2 (2')	Soluble	Solid	300.0	34664
890-2963-11	CS-3 (2')	Soluble	Solid	300.0	34664
890-2963-12	CS-4 (2')	Soluble	Solid	300.0	34664

QC Association Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

HPLC/IC (Continued)

Analysis Batch: 34951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2963-13	CS-5 (2")	Soluble	Solid	300.0	34664
890-2963-14	CS-6 (2')	Soluble	Solid	300.0	34664
890-2963-15	CS-7 (2')	Soluble	Solid	300.0	34664
890-2963-16	CS-8 (2')	Soluble	Solid	300.0	34664
890-2963-17	CS-9 (2')	Soluble	Solid	300.0	34664
890-2963-18	CS-10 (2')	Soluble	Solid	300.0	34664
890-2963-19	CS-11 (2')	Soluble	Solid	300.0	34664
MB 880-34664/1-A	Method Blank	Soluble	Solid	300.0	34664
LCS 880-34664/2-A	Lab Control Sample	Soluble	Solid	300.0	34664
LCSD 880-34664/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34664
890-2963-1 MS	SW-1	Soluble	Solid	300.0	34664
890-2963-1 MSD	SW-1	Soluble	Solid	300.0	34664
890-2963-11 MS	CS-3 (2')	Soluble	Solid	300.0	34664
890-2963-11 MSD	CS-3 (2')	Soluble	Solid	300.0	34664

Lab Chronicle

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: SW-1
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 15:52	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 18:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 00:54	CH	EET MID

Client Sample ID: SW-2
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 16:19	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 19:58	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:09	CH	EET MID

Client Sample ID: SW-3
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 16:46	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 20:19	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:13	CH	EET MID

Client Sample ID: SW-4
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 17:13	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: SW-4

Lab Sample ID: 890-2963-4

Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 20:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:18	CH	EET MID

Client Sample ID: SW-5

Lab Sample ID: 890-2963-5

Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 17:40	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 21:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:23	CH	EET MID

Client Sample ID: SW-6

Lab Sample ID: 890-2963-6

Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 18:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 21:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:38	CH	EET MID

Client Sample ID: SW-7

Lab Sample ID: 890-2963-7

Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 18:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 21:45	SM	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: SW-7

Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:43	CH	EET MID

Client Sample ID: SW-8

Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 18:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 22:06	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:47	CH	EET MID

Client Sample ID: CS-1 (2')

Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 19:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 22:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:52	CH	EET MID

Client Sample ID: CS-2 (2')

Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35200	09/22/22 15:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35326	09/24/22 19:53	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 22:50	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:57	CH	EET MID

Lab Chronicle

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-3 (2')

Lab Sample ID: 890-2963-11
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 17:15	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 23:33	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:02	CH	EET MID

Client Sample ID: CS-4 (2')

Lab Sample ID: 890-2963-12
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 17:36	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/16/22 23:54	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:17	CH	EET MID

Client Sample ID: CS-5 (2")

Lab Sample ID: 890-2963-13
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 17:56	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/17/22 00:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:21	CH	EET MID

Client Sample ID: CS-6 (2')

Lab Sample ID: 890-2963-14
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 18:17	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-6 (2')

Lab Sample ID: 890-2963-14
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/17/22 00:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:36	CH	EET MID

Client Sample ID: CS-7 (2')

Lab Sample ID: 890-2963-15
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 18:37	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/17/22 00:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:41	CH	EET MID

Client Sample ID: CS-8 (2')

Lab Sample ID: 890-2963-16
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 18:57	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/17/22 01:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:46	CH	EET MID

Client Sample ID: CS-9 (2')

Lab Sample ID: 890-2963-17
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 19:18	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/17/22 01:42	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-9 (2')

Lab Sample ID: 890-2963-17
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:50	CH	EET MID

Client Sample ID: CS-10 (2')

Lab Sample ID: 890-2963-18
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 19:38	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/17/22 02:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:55	CH	EET MID

Client Sample ID: CS-11 (2')

Lab Sample ID: 890-2963-19
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 19:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/17/22 02:25	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34664	09/16/22 10:40	CH	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 03:00	CH	EET MID

Client Sample ID: CS-12 (2')

Lab Sample ID: 890-2963-20
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 20:19	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34674	09/16/22 11:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34626	09/17/22 02:46	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	34662	09/16/22 10:33	CH	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 22:48	CH	EET MID

Lab Chronicle

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-13 (2')

Lab Sample ID: 890-2963-21
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35203	09/22/22 16:10	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35330	09/25/22 14:42	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34675	09/16/22 11:48	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34628	09/17/22 03:51	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34662	09/16/22 10:33	CH	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:02	CH	EET MID

Client Sample ID: CS-14 (2')

Lab Sample ID: 890-2963-22
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35203	09/22/22 16:10	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35330	09/25/22 15:09	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34675	09/16/22 11:48	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34628	09/17/22 04:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34662	09/16/22 10:33	CH	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:07	CH	EET MID

Client Sample ID: CS-15 (2')

Lab Sample ID: 890-2963-23
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35203	09/22/22 16:10	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35330	09/25/22 15:35	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34675	09/16/22 11:48	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34628	09/17/22 04:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	34662	09/16/22 10:33	CH	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:12	CH	EET MID

Client Sample ID: CS-16 (2')

Lab Sample ID: 890-2963-24
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35203	09/22/22 16:10	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35330	09/25/22 16:02	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Client Sample ID: CS-16 (2')

Lab Sample ID: 890-2963-24
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34675	09/16/22 11:48	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34628	09/17/22 04:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34662	09/16/22 10:33	CH	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:17	CH	EET MID

Client Sample ID: CS-17 (2')

Lab Sample ID: 890-2963-25
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35203	09/22/22 16:10	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35330	09/25/22 16:28	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34675	09/16/22 11:48	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34628	09/17/22 05:17	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34662	09/16/22 10:33	CH	EET MID
Soluble	Analysis	300.0		5			34856	09/19/22 23:31	CH	EET MID

Client Sample ID: CS-18 (2')

Lab Sample ID: 890-2963-26
Matrix: Solid
Date Collected: 09/14/22 12:00
Date Received: 09/14/22 15:30

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	35203	09/22/22 16:10	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35330	09/25/22 16:55	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35447	09/26/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			34822	09/19/22 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	34675	09/16/22 11:48	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34628	09/17/22 05:39	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34662	09/16/22 10:33	CH	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:36	CH	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: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

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	T104704400-22-24	06-30-23

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

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

Method Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

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	MCAWW	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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: DWU Federal #1

Job ID: 890-2963-1
SDG: 225968

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2963-1	SW-1	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-2	SW-2	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-3	SW-3	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-4	SW-4	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-5	SW-5	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-6	SW-6	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-7	SW-7	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-8	SW-8	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-9	CS-1 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-10	CS-2 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-11	CS-3 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-12	CS-4 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-13	CS-5 (2")	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-14	CS-6 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-15	CS-7 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-16	CS-8 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-17	CS-9 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-18	CS-10 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-19	CS-11 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-20	CS-12 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-21	CS-13 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-22	CS-14 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-23	CS-15 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-24	CS-16 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-25	CS-17 (2')	Solid	09/14/22 12:00	09/14/22 15:30
890-2963-26	CS-18 (2')	Solid	09/14/22 12:00	09/14/22 15:30

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 1 of 3

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	DWU Federal #1	Turn Around	
Project Number:	225968	☑ Routine ☐ Rush	
Project Location	Eddy Co. NM	Due Date:	
Sampler's Name:	Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	IAM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	27.5
Total Containers:		Corrected Temperature:	27.3

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
SW-1	9/14/2022		X		Comp	1		X	X	X		AS
SW-2	9/14/2022		X		Comp	1		X	X	X		~~905~~ 432-813-0263
SW-3	9/14/2022		X		Comp	1		X	X	X		Jordan Tyner
SW-4	9/14/2022		X		Comp	1		X	X	X		
SW-5	9/14/2022		X		Comp	1		X	X	X		
SW-6	9/14/2022		X		Comp	1		X	X	X		
SW-7	9/14/2022		X		Comp	1		X	X	X		
SW-8	9/14/2022		X		Comp	1		X	X	X		
CS-1 (2')	9/14/2022		X		Comp	1		X	X	X		
CS-2 (2')	9/14/2022		X		Comp	1		X	X	X		

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Stuff	9/14/22 1530	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020 1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 2 of 3

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	DWU Federal #1	Turn Around	
Project Number:	225968	☑ Routine ☐ Rush	
Project Location	Eddy Co. NM	Due Date:	
Sampler's Name:	Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

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

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
CS-3 (2')	9/14/2022		X		Comp	1			X	X	X		
CS-4 (2')	9/14/2022		X		Comp	1			X	X	X		
CS-5 (2')	9/14/2022		X		Comp	1			X	X	X		
CS-6 (2')	9/14/2022		X		Comp	1			X	X	X		
CS-7 (2')	9/14/2022		X		Comp	1			X	X	X		
CS-8 (2')	9/14/2022		X		Comp	1			X	X	X		
CS-9 (2')	9/14/2022		X		Comp	1			X	X	X		
CS-10 (2')	9/14/2022		X		Comp	1			X	X	X		
CS-11 (2')	9/14/2022		X		Comp	1			X	X	X		
CS-12 (2')	9/14/2022		X		Comp	1			X	X	X		

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Stuffer	9/14/22 1530	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 3 of 3

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	DWU Federal #1	Turn Around	
Project Number:	225968	☑ Routine ☐ Rush	
Project Location	Eddy Co. NM	Due Date:	
Sampler's Name:	Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

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

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
CS-13 (2')	9/14/2022		X		Comp	1		X	X	X		
CS-14 (2')	9/14/2022		X		Comp	1		X	X	X		
CS-15 (2')	9/14/2022		X		Comp	1		X	X	X		
CS-16 (2')	9/14/2022		X		Comp	1		X	X	X		
CS-17 (2')	9/14/2022		X		Comp	1		X	X	X		
CS-18 (2')	9/14/2022		X		Comp	1		X	X	X		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Sleight	9/14/22 1535	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2963-1
SDG Number: 225968

Login Number: 2963
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2963-1
SDG Number: 225968

Login Number: 2963
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 09/16/22 11:00 AM

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

eurofins | Environment Testing

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3294-1
Laboratory Sample Delivery Group: 225968
Client Project/Site: DWU Fed 1

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

JKramer

Authorized for release by:
11/1/2022 1:03:10 PM

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

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

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

Client: NT Global
Project/Site: DWU Fed 1

Laboratory Job ID: 890-3294-1
SDG: 225968

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

Job ID: 890-3294-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3294-1

Receipt
The samples were received on 10/26/2022 1:02 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 2.4°C

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-3291-A-1-B), (890-3291-A-1-C MS) and (890-3291-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

Client Sample ID: SW-11

Date Collected: 10/26/22 00:00
Date Received: 10/26/22 13:02

Lab Sample ID: 890-3294-1

Matrix: Solid

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		10/31/22 11:51	11/01/22 05:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/31/22 11:51	11/01/22 05:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/31/22 11:51	11/01/22 05:22	1
m-Xylene & p-Xylene	<0.00402	U *-	0.00402		mg/Kg		10/31/22 11:51	11/01/22 05:22	1
o-Xylene	<0.00201	U *1	0.00201		mg/Kg		10/31/22 11:51	11/01/22 05:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/31/22 11:51	11/01/22 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/31/22 11:51*	*11/01/22 05:22*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/31/22 11:51*	*11/01/22 05:22*	*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			11/01/22 09:15	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			10/31/22 13:27	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		10/27/22 15:04	10/30/22 02:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/27/22 15:04	10/30/22 02:16	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/27/22 15:04	10/30/22 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/27/22 15:04*	*10/30/22 02:16*	*1*
o-Terphenyl	*84*		*70 - 130*	*10/27/22 15:04*	*10/30/22 02:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.6**		4.96		mg/Kg			10/30/22 15:51	1

Surrogate Summary

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-20843-A-1-B MS	Matrix Spike	136 S1+	101										
880-20843-A-1-C MSD	Matrix Spike Duplicate	131 S1+	88										
890-3294-1	SW-11	128	96										
LCS 880-38264/1-A	Lab Control Sample	110	92										
LCSD 880-38264/2-A	Lab Control Sample Dup	103	90										
MB 880-38099/5-A	Method Blank	79	90										
MB 880-38264/5-A	Method Blank	81	85										

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)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-3291-A-1-C MS	Matrix Spike	105	175 S1+										
890-3291-A-1-D MSD	Matrix Spike Duplicate	101	169 S1+										
890-3294-1	SW-11	81	84										
LCS 880-38030/2-A	Lab Control Sample	110	113										
LCSD 880-38030/3-A	Lab Control Sample Dup	104	103										
MB 880-38030/1-A	Method Blank	83	86										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38099/5-A
Matrix: Solid
Analysis Batch: 38214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/22 12:40	10/31/22 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/22 12:40	10/31/22 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/22 12:40	10/31/22 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/28/22 12:40	10/31/22 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/22 12:40	10/31/22 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/28/22 12:40	10/31/22 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*10/28/22 12:40*	*10/31/22 11:40*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/28/22 12:40*	*10/31/22 11:40*	*1*

Lab Sample ID: MB 880-38264/5-A
Matrix: Solid
Analysis Batch: 38214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/31/22 11:51	11/01/22 01:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/31/22 11:51	11/01/22 01:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/31/22 11:51	11/01/22 01:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/31/22 11:51	11/01/22 01:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/31/22 11:51	11/01/22 01:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/31/22 11:51	11/01/22 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*10/31/22 11:51*	*11/01/22 01:05*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/31/22 11:51*	*11/01/22 01:05*	*1*

Lab Sample ID: LCS 880-38264/1-A
Matrix: Solid
Analysis Batch: 38214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38264

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07847		mg/Kg		78	70 - 130		
Toluene			0.100	0.07661		mg/Kg		77	70 - 130		
Ethylbenzene			0.100	0.07924		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1551		mg/Kg		78	70 - 130		
o-Xylene			0.100	0.1171		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-38264/2-A
Matrix: Solid
Analysis Batch: 38214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38264

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07096		mg/Kg		71	70 - 130	10	35

QC Sample Results

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

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

Lab Sample ID: LCSD 880-38264/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38214 — **Prep Batch: 38264**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.07087		mg/Kg		71	70 - 130	8	35
Ethylbenzene			0.100	0.07485		mg/Kg		75	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1355	*-	mg/Kg		68	70 - 130	13	35
o-Xylene			0.100	0.07486	*1	mg/Kg		75	70 - 130	44	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-20843-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38214 — **Prep Batch: 38264**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08887		mg/Kg		89	70 - 130
Toluene	<0.00201	U	0.100	0.07823		mg/Kg		78	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.07213		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00402	U *-	0.201	0.1481		mg/Kg		74	70 - 130
o-Xylene	<0.00201	U *1	0.100	0.08068		mg/Kg		80	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-20843-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38214 — **Prep Batch: 38264**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.08793		mg/Kg		89	70 - 130	1	35
Toluene	<0.00201	U	0.0990	0.07987		mg/Kg		81	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0990	0.07461		mg/Kg		75	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U *-	0.198	0.1496		mg/Kg		76	70 - 130	1	35
o-Xylene	<0.00201	U *1	0.0990	0.07927		mg/Kg		80	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

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

Lab Sample ID: MB 880-38030/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38135 — **Prep Batch: 38030**

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		10/27/22 15:04	10/29/22 21:37	1

QC Sample Results

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

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

Lab Sample ID: MB 880-38030/1-A
Matrix: Solid
Analysis Batch: 38135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/27/22 15:04	10/29/22 21:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/27/22 15:04	10/29/22 21:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*10/27/22 15:04*	*10/29/22 21:37*	*1*
o-Terphenyl	*86*		*70 - 130*	*10/27/22 15:04*	*10/29/22 21:37*	*1*

Lab Sample ID: LCS 880-38030/2-A
Matrix: Solid
Analysis Batch: 38135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38030

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	820.2		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1025		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: LCSD 880-38030/3-A
Matrix: Solid
Analysis Batch: 38135

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38030

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	811.4		mg/Kg		81	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	945.5		mg/Kg		95	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 890-3291-A-1-C MS
Matrix: Solid
Analysis Batch: 38135

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 38030

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	321		998	1085		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)	5750		998	6103	4	mg/Kg		35	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*175*	*S1+*	*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

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

Lab Sample ID: 890-3291-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38135 — **Prep Batch: 38030**

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	321		998	1054		mg/Kg		74	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	5750		998	5872	4	mg/Kg		12	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*169*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38010/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 38167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/30/22 12:38	1

Lab Sample ID: LCS 880-38010/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 38167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	267.4		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-38010/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 38167

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	268.4		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-20768-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 38167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	402		248	633.8		mg/Kg		94	90 - 110

Lab Sample ID: 880-20768-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 38167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	402		248	634.4		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

GC VOA

Prep Batch: 38099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-38099/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 38214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3294-1	SW-11	Total/NA	Solid	8021B	38264
MB 880-38099/5-A	Method Blank	Total/NA	Solid	8021B	38099
MB 880-38264/5-A	Method Blank	Total/NA	Solid	8021B	38264
LCS 880-38264/1-A	Lab Control Sample	Total/NA	Solid	8021B	38264
LCSD 880-38264/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38264
880-20843-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	38264
880-20843-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	38264

Prep Batch: 38264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3294-1	SW-11	Total/NA	Solid	5035	
MB 880-38264/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38264/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38264/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-20843-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-20843-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 38340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3294-1	SW-11	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 38030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3294-1	SW-11	Total/NA	Solid	8015NM Prep	
MB 880-38030/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38030/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3291-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3291-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 38135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3294-1	SW-11	Total/NA	Solid	8015B NM	38030
MB 880-38030/1-A	Method Blank	Total/NA	Solid	8015B NM	38030
LCS 880-38030/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38030
LCSD 880-38030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38030
890-3291-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	38030
890-3291-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	38030

Analysis Batch: 38281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3294-1	SW-11	Total/NA	Solid	8015 NM	

QC Association Summary

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

HPLC/IC

Leach Batch: 38010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3294-1	SW-11	Soluble	Solid	DI Leach	
MB 880-38010/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38010/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38010/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-20768-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-20768-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 38167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3294-1	SW-11	Soluble	Solid	300.0	38010
MB 880-38010/1-A	Method Blank	Soluble	Solid	300.0	38010
LCS 880-38010/2-A	Lab Control Sample	Soluble	Solid	300.0	38010
LCSD 880-38010/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38010
880-20768-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	38010
880-20768-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	38010

Lab Chronicle

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

Client Sample ID: SW-11

Date Collected: 10/26/22 00:00
Date Received: 10/26/22 13:02

Lab Sample ID: 890-3294-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	38264	10/31/22 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38214	11/01/22 05:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38340	11/01/22 09:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38281	10/31/22 13:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38030	10/27/22 15:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38135	10/30/22 02:16	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	38010	10/27/22 11:26	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38167	10/30/22 15:51	CH	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: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

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	T104704400-22-24	06-30-23

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

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

Method Summary

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

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	MCAWW	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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: DWU Fed 1

Job ID: 890-3294-1
SDG: 225968

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3294-1	SW-11	Solid	10/26/22 00:00	10/26/22 13:02

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3294-1
SDG Number: 225968

Login Number: 3294
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	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3294-1
SDG Number: 225968

Login Number: 3294
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 10/27/22 10:25 AM

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

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

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

CONDITIONS

Action 168932

CONDITIONS

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 168932
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/3/2023