

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 °, Long -104.1628265°) 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

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#### 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.



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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
То:	ocd.enviro@state.nm.us
Cc:	Jordan Tyner
Subject:	Sampling Event

We will be conducting confirmation sampling on behalf of Colgate on September the 14<sup>th</sup> 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: Sent: To: Subject: Tyler Kimball Monday, October 24, 2022 2:36 PM Ethan Sessums 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
То:	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** 

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Oil Conservation Division

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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?	<u>121.0</u> 7 (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?	X Yes No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> 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
- $\square$  Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 12/20/2	2022 12:27:38 PM			Page 1
Form C-141 Page 4	State of New Mexico Oil Conservation Divis		Incident ID District RP Facility ID Application ID	nKMW1104136620
regulations all operators ar public health or the enviro failed to adequately invest	formation given above is true and complete to re required to report and/or file certain releas nment. The acceptance of a C-141 report by igate and remediate contamination that pose of a C-141 report does not relieve the opera	se notifications and perform of y the OCD does not relieve th a threat to groundwater, surf tor of responsibility for comp	corrective actions for release operator of liability sh ace water, human health bliance with any other fe	eases which may endanger ould their operations have or the environment. In
Signature: 1		Date: 12/20	<b>2</b> 2	<u>presentative</u>
email: <u>Nikki.Mis</u> ł	<u>aler@permianres.com</u>	Telephone: <u>432–</u>	634-8722	
OCD Only	elyn Harimon	- 12/	20/2022	
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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 MIN Moll Date: 12/20/22 Signature: emailNikki.Mishler@permianres.com Telephone: 432-634-8722 **OCD Only** Received by: Jocelyn Harimon Date: 12/2/2022 Approved with Attached Conditions of Approval Approved Denied Deferral Approved

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

State of New Mexico Oil Conservation Division Page 12 of 155

# 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: <u>Mill</u>	Date: 12/20/22
email: <u>Nikki.Mishler@permianres.com</u>	Telephone: <u>432-634-8722</u>
OCD Only	· · · · · · · · · · · · · · · · · · ·
Received by: Jocelyn Harimon	Date: <u>12/20/2022</u>
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: <u>Ashley Maxwell</u>	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



## Received by OCD: 12/20/2022 12:27:38 PM Nearest water well

Released to Imaging: 2/3/2023 7:47:37 AM

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

121.07' - Drilled 1971

DWU Federal #1

60.83' Drilled 1999

70' - Drilled 2021

LegendPage 16 of 155
1.18 Miles NNW1.45 Miles SSE1/2 Mile Radius2.19 Miles SNMSEO Water WellSite LocationUSGS Water Well

2 mi

New Mexico NFHL Data



October	26,	2022

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EMA, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS ser 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. Science for a changing world

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Help

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National Water Information System: Mapper



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)	•	•					2=NE 3 st to lare	≔SW 4=SI gest) (N	E) IAD83 UTM in me	eters)	(	In feet)	
POD Number CP 01915	POD Sub- Code basin Co CP	<b>ounty</b> ED			4		<b>Tws</b> 19S	<b>Rng</b> 28E	<b>X</b> 577309		Distance 1675	-	Depth Water	Water Column
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	80	20S	28E	575860	3605788 🌍	3893	113	59	54
<u>CP 00525</u>	CP	ED	3	2	1	14	20S	28E	579656	3604847* 🌍	3919	171	140	31
										Avera	ge Depth to	Water:	<b>86</b> 1	feet
											Minimum	Depth:	<b>59</b> 1	feet
											Maximum	Depth:	<b>140</b> 1	feet
<b>Record Count:</b> 6					_									

#### 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

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# New Mexico Office of the State Engineer **Point of Diversion Summary**

			· 1				W 4=SE)			
Well Teg	DOD	Number	••	ters are si $\mathbf{O}$			·		TM in meters)	
Well Tag 20D82		• <b>Number</b> )1862 POD1	<b>Q64</b> 2	<b>Q16 Q</b> 4 2 2		20S	28E	<b>X</b> 579002	¥ 3605104 🌍	
Driller Lic	ense:	1706	Driller	· Comp	any:	EL	ITE DRI	LLERS CO	RPORATION	
Driller Na	me:	BRYCE WALLA	CE		•					
Drill Start	Date:	08/24/2021	Drill F	'inish D	ate:	0	8/25/202	21 Plu	g Date:	
Log File D	ate:	05/28/2022	PCW	Rcv Da	te:			Sou	irce:	Shallow
Ритр Туре:			Pipe D	ischarg	ge Sizo	e:	Est	imated Yield:	12 GPM	
Casing Size: 6.00		6.00	Depth	<b>Depth Well:</b> 150 feet					pth Water:	70 feet
X	Wate	er Bearing Stratifi	cations:	]	fop l	Botton	Descr	iption		
					30	100	) Sands	tone/Gravel/	Conglomerate	
x Casing Perf		forations: Top			Bottom					
					80	150	)			

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10/26/22 12:54 PM

POINT OF DIVERSION SUMMARY

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**National Water Information System: Web Interface** 

**USGS** Water Resources

 Data Category:
 Geographic Area:

 Groundwater
 V

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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 <u>Water Data For The Nation Blog</u> 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.
- <u>Full News</u>

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

#### Search Results -- 1 sites found

Agency code = usgs

**Minimum number of levels =** 1 <u>Save file of selected sites</u> 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	Р	Z		
1971-02-05		D	62611		3219.48	NAVD88	Р	Z		
1971-02-05		D	72019	56.52			Р	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		

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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	Р	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	А	Approved for publication Processing and review completed.

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

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2022-10-26 15:34:03 EDT 0.32 0.28 nadww01



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**National Water Information System: Web Interface** 

**USGS** Water Resources

 Data Category:
 Geographic Area:

 Groundwater
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Groundwater levels for New Mexico

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Important: <u>Next Generation Monitoring Location Page</u>

#### Search Results -- 1 sites found

Agency code = usgs

**Minimum number of levels =** 1 <u>Save file of selected sites</u> 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		

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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	А	Approved for publication Processing and review completed.					

#### Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

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

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2022-10-26 15:29:44 EDT 0.28 0.25 nadww01 USA.gov

# TABLES

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

Comple ID	Dete	Sample		TPH (I	ng/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chlorides
Sample ID	Date	Depth	DRO	GRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX	(mg/kg)
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	< 0.00100	< 0.00100	<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	<0.00200	< 0.00200	<0.00200	< 0.00399	< 0.00393	47.8
CS-7	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	< 0.00133	< 0.00199	<0.00199	< 0.00398	< 0.00338	63.1
CS-8	9/14/2022	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	< 0.00201	<0.00201	<0.00402	< 0.00402	157
CS-8 CS-9	9/14/2022 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	<0.00199	< 0.00199	<0.00133	< 0.00398	< 0.00398	40.7
CS-10 CS-11	9/14/2022	2'	<50.0	<50.0	<50.0	<50.0						29.3
CS-11 CS-12	, ,	2'	<49.9	<49.9	<50.0	<50.0	<0.00200 <0.00199	<0.00200 <0.00199	<0.00200	<0.00399	<0.00399 <0.00398	29.3
	9/14/2022	2'							<0.00199	<0.00398		17.4
CS-13	9/14/2022		<49.9	<49.9	<49.9	<49.9	<0.00201	< 0.00201	<0.00201	< 0.00402	< 0.00402	
CS-14	9/14/2022	2'	121	<50.0	<50.0	<b>121</b>	<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	<b>281</b>	<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
-	ulatory Limits	A				100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
(-) Not Analyze A – Table 1 - 19 mg/kg - milligra TPH- total petro ft-feet	9.15.29 NMAC Im per kilogram											



- exceeds regulatory limits



# FIGURES



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**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.



**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.



## **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.



#### **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

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# **ANALYTICAL REPORT**

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## 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

VRAMER

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.

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	Definitions/Glossary	
Client: NT Glo Project/Site: D	bal Job ID: 890-2 WU FEDERAL 1 SDG: 2	
Qualifiers		
GC VOA		
Qualifier *+	Qualifier Description	
+ F1	LCS and/or LCSD is outside acceptance limits, high biased.	
S1-	MS and/or MSD recovery exceeds control limits.	
S1- S1+	Surrogate recovery exceeds control limits, low biased. Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		
Qualifier F1	Qualifier Description	
F1 S1-	MS and/or MSD recovery exceeds control limits.	
U	Surrogate recovery exceeds control limits, low biased. Indicates the analyte was analyzed for but not detected.	
HPLC/IC		- 1
Qualifier U	Qualifier Description	
0	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 LOD	Estimated Detection Limit (Dioxin)	
	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	

MDA	Minimum	De	ete	cta	able	e Activity	/ (F	<b>ladic</b>	oche	mis	try)		
		_				-							

EPA recommended "Maximum Contaminant Level"

- 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)
- NEGNegative / AbsentPOSPositive / Present
- PQLPractical Quantitation LimitPRESPresumptive

MCL

- QC Quality Control
- RER Relative Error Ratio (Radiochemistry) RL Reporting Limit or Requested Limit (Radiochemis
- RL Reporting Limit or Requested Limit (Radiochemistry)
- RPD Relative Percent Difference, a measure of the relative difference between two points
- TEFToxicity Equivalent Factor (Dioxin)TEQToxicity Equivalent Quotient (Dioxin)
- TEQ Toxicity Equivalent Quotie TNTC Too Numerous To Count

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.

Method: 8021B - Volatile Organic Compounds (GC)

## **Client Sample Results**

RL

0.00202

MDL Unit

mg/Kg

D

Prepared

07/26/22 10:50

Job ID: 890-2641-1 SDG: 225968

## **Client Sample ID: SW-1**

Project/Site: DWU FEDERAL 1

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

Sample Depth: 1

Analyte

Benzene

Client: NT Global

Lab Sample ID: 890-2641-1

Analyzed

07/28/22 13:21

Matrix: Solid

Dil Fac

1

Matrix: Solid

5

Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte Chloride		Qualifier	49.9 <u>Limits</u> 70 - 130 70 - 130 <u>RL</u> 99.0	MDL	mg/Kg	D	Prepared 07/28/22 11:12 07/28/22 11:12 Prepared	Analyzed 07/28/22 21:28 07/28/22 21:28 07/28/22 21:28 Analyzed 07/28/22 02:28	1 <i>Dil Fac</i> 1 Dil Fac 20
Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	%Recovery 72 76 omatography -	Qualifier Soluble	Limits 70 - 130 70 - 130				<b>Prepared</b> 07/28/22 11:12 07/28/22 11:12	Analyzed 07/28/22 21:28 07/28/22 21:28	Dil Fac 1 1
Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<b>%Recovery</b> 72		Limits		nig/Kg		Prepared 07/28/22 11:12	Analyzed 07/28/22 21:28	Dil Fac
Oll Range Organics (Over C28-C36) Surrogate	<b>%Recovery</b> 72		Limits		nig/Kg		Prepared 07/28/22 11:12	Analyzed 07/28/22 21:28	Dil Fac
Oll Range Organics (Over C28-C36) Surrogate	%Recovery		Limits		mg/Kg		Prepared	Analyzed	
,	<49.9	U	49.9		mg/Kg		01/20/22 11.12	01/20/22 21.20	1
					malla		07/28/22 11:12	07/28/22 21:28	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 21:28	1
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 21:28	1
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Total TPH	<49.9	U	49.9		mg/Kg			07/28/22 09:08	1
Method: 8015 NM - Diesel Range Analyte		<mark>O) (GC)</mark> Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/29/22 09:30	1
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total BTEX	K Calculation								
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				07/26/22 10:50	07/28/22 13:21	1
4-Bromofluorobenzene (Surr)	122		70 - 130				07/26/22 10:50	07/28/22 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/26/22 10:50	07/28/22 13:21	1
o-Xylene	<0.00202		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
	<0.00202	U	0.00202		mg/Kg		07/26/22 10:50	07/28/22 13:21	1
Ethylbenzene									
Toluene Ethylbenzene	<0.00202		0.00202		mg/Kg		07/26/22 10:50	07/28/22 13:21	1

Result Qualifier

<0.00202 U

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

Sample Depth: 2

Method: 8021B - Volatile Orga	nic Compounds (	( <b>GC</b> )							
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

Released to Imaging: 2/3/2023 7:47:37 AM

5

## **Client Sample Results**

Job ID: 890-2641-1 SDG: 225968

# Lab Sample ID: 890-2641-2

Matrix: Solid

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

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Project/Site: DWU FEDERAL 1

**Client Sample ID: SW-2** 

Sample Depth: 2

Client: NT Global

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)		S1+	70 - 130				07/26/22 10:50	07/28/22 13:47	
Method: Total BTEX - Total BTE		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg		Fiepaleu	07/29/22 09:30	
	0.00000	•	0.00000					01120122 00100	
Method: 8015 NM - Diesel Range	e Organics (DR	0) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			07/28/22 09:08	
Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 22:33	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 22:33	
C10-C28)			40.0				07/00/00 11 15	07/00/02 02 02	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/28/22 22:33	~
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 Chr	omotography	Solublo							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		4.96		mg/Kg			07/28/22 02:51	
									00444
lient Sample ID: SW-3							Lab San	nple ID: 890-	
Date Collected: 07/22/22 00:00								Matri	x: Solid
ate Received: 07/22/22 15:44									
Sample Depth: 3									
Method: 8021B - Volatile Organi	c Compounds (	GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 14:13	
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 14:13	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 14:13	
	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 14:13	• • • • • •
m-Xylene & p-Xylene	~0.00590				-				
m-Xylene & p-Xylene o-Xylene	<0.00398	U *+	0.00199		mg/Kg		07/26/22 10:50	07/28/22 14:13	
			0.00199 0.00398		mg/Kg mg/Kg		07/26/22 10:50 07/26/22 10:50	07/28/22 14:13 07/28/22 14:13	1 1
o-Xylene	<0.00199	U							-

Method: Total BTEX - T	otal 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 - Dies	sel Range Organics (DR	0) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0		50.0		mg/Kg			07/28/22 09:08	1

70 - 130

70 - 130

99

123

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07/28/22 14:13

07/28/22 14:13

07/26/22 10:50

07/26/22 10:50

1

Job ID: 890-2641-1 SDG: 225968

Matrix: Solid

Lab Sample ID: 890-2641-3

Lab Sample ID: 890-2641-4

Matrix: Solid

## Client Sample ID: SW-3

Project/Site: DWU FEDERAL 1

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

Sample Depth: 3

Client: NT Global

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

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

#### Date Collected: 07/22/22 00:00

Date Received: 07/22/22 15:44

#### Sample Depth: 4

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 B	TEX Coloulation								
Analyte		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 Rar	nge Organics (DR	O) (GC)							1
Method: 8015 NM - Diesel Rar Analyte	• • •	<mark>O) (GC)</mark> Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	1 Dil Fac
	• • •	Qualifier	<b>RL</b> 49.8	MDL		<u>D</u>	Prepared	Analyzed	1 
Analyte	Result <49.8	Qualifier U		MDL	Unit	<u>D</u>	Prepared		1 1
Analyte Total TPH	Result <49.8 ange Organics (D	Qualifier U		MDL	Unit	<u>D</u> 	Prepared		1 Dil Fac

o-Terphenyl	52	S1-	70 - 130		07/28/22 11:12	07/28/22 23:17	1
1-Chlorooctane	56	S1-	70 - 130		07/28/22 11:12	07/28/22 23:17	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<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
(GRO)-C6-C10				5. 5			

		Clien	t Sample R	esults	;				
Client: NT Global								Job ID: 890	-2641-
Project/Site: DWU FEDERAL 1								SDG:	22596
Client Sample ID: SW-4							Lab San	nple ID: 890-	2641-4
Date Collected: 07/22/22 00:00									x: Soli
Date Received: 07/22/22 15:44									
Sample Depth: 4									
_ Method: 300.0 - Anions, Ion Ch	romatography	Solublo							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	<4.97		4.97		mg/Kg			07/28/22 03:07	
- Nient Comple ID: CM/ E							Lah Car		0044
Client Sample ID: SW-5							Lab San	nple ID: 890-	
Date Collected: 07/22/22 00:00 Date Received: 07/22/22 15:44								Matri	x: Soli
Sample Depth: 5									
_ Method: 8021B - Volatile Organ	ic Compounds (	GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:05	
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:05	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:05	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 15:05	
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		07/26/22 10:50	07/28/22 15:05	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 15:05	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				07/26/22 10:50	07/28/22 15:05	
1,4-Difluorobenzene (Surr)	104		70 - 130				07/26/22 10:50	07/28/22 15:05	
_ Method: Total BTEX - Total BTE	X Calculation								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398		0.00398		mg/Kg			07/29/22 09:30	
_ Method: 8015 NM - Diesel Rang	o Organice (DP								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			07/28/22 09:08	
_ Method: 8015B NM - Diesel Rar	nge Organics (D								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0		50.0		mg/Kg		07/28/22 11:12	07/28/22 23:38	
(GRO)-C6-C10	_								
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 23:38	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 23:38	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	67	S1-	70 - 130				07/28/22 11:12	07/28/22 23:38	
o-Terphenyl	70		70 - 130				07/28/22 11:12	07/28/22 23:38	
_ Method: 300.0 - Anions, Ion Ch	romatography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
								<u> </u>	

## **Client Sample Results**

Job ID: 890-2641-1 SDG: 225968

## Client Sample ID: SW-6

Project/Site: DWU FEDERAL 1

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

Sample Depth: 6

Ethylbenzene

Xylenes, Total

o-Xylene

Surrogate

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

Client: NT Global

Lab Sample ID: 890-2641-6

Matrix: Solid

0.00199 0.00199 0.00398 0.00199 0.00398 <u>Limits</u> 70 - 130 70 - 130 70 - 130 RL 0.00398 RL 49.8	MDL	mg/Kg	D	07/26/22 10:50 07/26/22 10:50 07/26/22 10:50 07/26/22 10:50 07/26/22 10:50 07/26/22 10:50 <b>Prepared</b> 07/26/22 10:50 <b>Prepared</b>	07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 07/28/22 15:31	Dil Fa
0.00199 0.00398 0.00199 0.00398 <u>Limits</u> 70 - 130 70 - 130 70 - 130 <u>RL</u> 0.00398		mg/Kg mg/Kg mg/Kg mg/Kg		07/26/22 10:50 07/26/22 10:50 07/26/22 10:50 07/26/22 10:50 <b>Prepared</b> 07/26/22 10:50 07/26/22 10:50	07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 <b>Analyzed</b> 07/28/22 15:31 07/28/22 15:31	Dil Fa
0.00398 0.00199 0.00398 <u>Limits</u> 70 - 130 70 - 130 70 - 130 <b>RL</b> 0.00398 <b>RL</b> 49.8		mg/Kg mg/Kg mg/Kg Unit mg/Kg		07/26/22 10:50 07/26/22 10:50 07/26/22 10:50 <b>Prepared</b> 07/26/22 10:50 07/26/22 10:50	07/28/22 15:31 07/28/22 15:31 07/28/22 15:31 <b>Analyzed</b> 07/28/22 15:31 07/28/22 15:31	Dil Fa
0.00199 0.00398 <u>Limits</u> 70 - 130 70 - 130 <b>RL</b> 0.00398 <b>RL</b> 49.8		mg/Kg mg/Kg Unit mg/Kg		07/26/22 10:50 07/26/22 10:50 <b>Prepared</b> 07/26/22 10:50 07/26/22 10:50	07/28/22 15:31 07/28/22 15:31 <b>Analyzed</b> 07/28/22 15:31 07/28/22 15:31 <b>Analyzed</b>	Dil Fa
0.00398 Limits 70 - 130 70 - 130 RL 0.00398 RL 49.8		Unit mg/Kg		07/26/22 10:50 <b>Prepared</b> 07/26/22 10:50 07/26/22 10:50	07/28/22 15:31 Analyzed 07/28/22 15:31 07/28/22 15:31 Analyzed	Dil Fac
Limits 70 - 130 70 - 130 RL 0.00398 RL 49.8		Unit mg/Kg		<b>Prepared</b> 07/26/22 10:50 07/26/22 10:50	Analyzed 07/28/22 15:31 07/28/22 15:31 Analyzed	Dil Fac
70 - 130 70 - 130 RL 0.00398 RL 49.8		mg/Kg		07/26/22 10:50 07/26/22 10:50	07/28/22 15:31 07/28/22 15:31 Analyzed	Dil Fac
70 - 130		mg/Kg		07/26/22 10:50	07/28/22 15:31 Analyzed	Dil Fac
RL           0.00398           RL           49.8		mg/Kg			Analyzed	Dil Fac
0.00398		mg/Kg		Prepared		
0.00398		mg/Kg		Prepared		
<b>RL</b> 49.8	MDL				07/29/22 09:30	
49.8	MDL	Unit				
49.8	MDL	Unit	-			
			D	Prepared	Analyzed	Dil Fa
RL		mg/Kg			07/28/22 09:08	
RL						
	MDL	Unit	D	Prepared	Analyzed	Dil Fa
49.8		mg/Kg		07/28/22 11:12	07/29/22 00:00	
49.8		mg/Kg		07/28/22 11:12	07/29/22 00:00	
49.8		mg/Kg		07/28/22 11:12	07/29/22 00:00	
Limits				Prepared	Analyzed	Dil Fa
70 - 130				07/28/22 11:12	07/29/22 00:00	-
70 - 130				07/28/22 11:12	07/29/22 00:00	-
RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4.99		mg/Kg			07/28/22 03:23	
	49.8 <i>Limits</i> 70 - 130 70 - 130 RL	49.8 <i>Limits</i> 70 - 130 70 - 130 RL MDL	49.8 mg/Kg <u>Limits</u> 70 - 130 70 - 130 <u>RL MDL Unit</u>	49.8 mg/Kg <u>Limits</u> 70 - 130 70 - 130 <u>RL MDL Unit D</u>	49.8         mg/Kg         07/28/22 11:12           Limits         Prepared         07/28/22 11:12           70 - 130         07/28/22 11:12         07/28/22 11:12           RL         MDL         Unit         D         Prepared           4.99         mg/Kg         D         Prepared	49.8         mg/Kg         07/28/22 11:12         07/29/22 00:00           Limits         Prepared         Analyzed           70 - 130         07/28/22 11:12         07/29/22 00:00           RL         MDL         Unit         D         Prepared         Analyzed

<0.00201 U

<0.00402 U

<0.00402 U

<0.00201 U\*+

%Recovery Qualifier

122

0.00201

0.00402

0.00201

0.00402

Limits

70 - 130

mg/Kg

mg/Kg

mg/Kg

mg/Kg

07/26/22 10:50

07/26/22 10:50

07/26/22 10:50

07/26/22 10:50

Prepared

07/26/22 10:50

07/28/22 15:57

07/28/22 15:57

07/28/22 15:57

07/28/22 15:57

Analyzed

07/28/22 15:57

7/29/2022

Eurofins Carlsbad

1

1

1

1

1

Dil Fac

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

Method: Total BTEX - Total BTEX Calculation

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

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

%Recovery

<0.00402

99

Result Qualifier

Ū

Result Qualifier

**Result Qualifier** 

<49.9 U

139

Qualifier

Prepared

07/26/22 10:50

Prepared

Prepared

Prepared

07/28/22 11:12

D

D

D

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

Analyzed

07/28/22 15:57

Analyzed

07/29/22 09:30

Analyzed

07/28/22 09:08

Analyzed

07/29/22 00:21

Lab Sample ID: 890-2641-8

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

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

Project/Site: DWU FEDERAL 1

Sample Depth: 0 - 1

1,4-Difluorobenzene (Surr)

Gasoline Range Organics

**Diesel Range Organics (Over** 

Oll Range Organics (Over C28-C

Method: 300.0 - Anions Id

Surrogate

Analyte

Analyte

Analyte

(GRO)-C6-C10

C10-C28)

Surrogate

1-Chlorooctane o-Terphenyl

**Total TPH** 

Total BTEX

Client: NT Global

			300.
Lab	Sample	ID:	890-

Matrix: Solid

2641-7

Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

1

1

Fac

1

Matrix: Solid

5

19

	139		49.9	mg/Kg	07/28/22 11:12	07/29/22 00:21	
C36)	<49.9	U	49.9	mg/Kg	07/28/22 11:12	07/29/22 00:21	
	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil I
	79		70 - 130		07/28/22 11:12	07/29/22 00:21	
	87		70 - 130		07/28/22 11:12	07/29/22 00:21	
on Chro	matography -	Soluble					

MDL Unit

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

	atography -	Colubic							
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 Results** 

Limits

70 - 130

RL

RL

49.9

RL

49.9

0.00402

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

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 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 07/26/22 10:50 07/28/22 16:24 mg/Kg 0.00399 07/28/22 16:24 m-Xylene & p-Xylene <0.00399 U 07/26/22 10:50 mg/Kg 1 o-Xylene <0.00200 U\*+ 0.00200 mg/Kg 07/26/22 10:50 07/28/22 16:24 Xylenes, Total <0.00399 U 0.00399 mg/Kg 07/26/22 10:50 07/28/22 16:24 1 %Recoverv Qualifier Limits Dil Fac Surrogate Prepared Analvzed 70 - 130 4-Bromofluorobenzene (Surr) 118 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 Analvte RL MDL D Dil Fac Result Qualifier Unit Prepared Analvzed Total BTEX <0.00399 Ū 0.00399 07/29/22 09:30 mg/Kg Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.9 U Total TPH 49.9 07/28/22 09:08 mg/Kg 1

Job ID: 890-2641-1 SDG: 225968

Lab Sample ID: 890-2641-8

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

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

Project/Site: DWU FEDERAL 1

Sample Depth: 0 - 1

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 00:43	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 00:43	1
C10-C28)									
Oll 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: 500.0 - Anions, ion Chron	latography - 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)

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

Sample Depth: 0 - 1

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 (DR	O) (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 Rang	e Organics (D	RO) (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
Oll 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
							07/28/22 11:12	07/29/22 01:04	

		Clien	t Sample R	lesults	5				
Client: NT Global								Job ID: 890	-2641-1
Project/Site: DWU FEDERAL 1								SDG:	225968
Client Sample ID: S-3 (0-1)							Lab Sar	nple ID: 890-	2641-9
Date Collected: 07/22/22 00:00									x: Solid
Date Received: 07/22/22 15:44									o o na
Sample Depth: 0 - 1									
_									
Method: 300.0 - Anions, Ion Ch	• • • •								
Analyte		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 Sam	ple ID: 890-2	641-10
Date Collected: 07/22/22 00:00								Matri	ix: Solid
Date Received: 07/22/22 15:44									
Sample Depth: 0 - 1									
_									
Method: 8021B - Volatile Organ					11	~	Dren	A mak	
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/Kg		07/26/22 10:50	07/28/22 17:16	1
	<0.00200		0.00200		mg/Kg		07/26/22 10:50	07/28/22 17:16	1
Ethylbenzene	<0.00200		0.00200		mg/Kg		07/26/22 10:50	07/28/22 17:16	1
m-Xylene & p-Xylene	<0.00399		0.00399		mg/Kg		07/26/22 10:50	07/28/22 17:16	1
o-Xylene	<0.00200		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 BTE	X Calculation								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399		0.00399		mg/Kg			07/29/22 09:30	1
Method: 8015 NM - Diesel Rang	e Organics (DR	O) (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
- Mathadi 2015D NM - Diasal Day									
Method: 8015B NM - Diesel Rar Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<u>&lt;50.0</u>	-	50.0				07/28/22 11:12	07/29/22 01:26	
(GRO)-C6-C10	<b>~</b> 50.0	5	50.0		mg/Kg		J1120122 11.12	01123122 01.20	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/29/22 01:26	1
C10-C28)									
Oll 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			70 - 130				07/28/22 11:12	07/29/22 01:26	1
o-Terphenyl			70 - 130				07/28/22 11:12	07/29/22 01:26	1
0-Terphenyi	80		70 - 130						
			70 - 130						
Method: 300.0 - Anions, Ion Ch Analyte	romatography -	Soluble Qualifier	70 - 730 RL		Unit	D	Prepared	Analyzed	Dil Fac

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

Sample Depth: 0 - 1.5

Project/Site: DWU FEDERAL 1

Client: NT Global

Lab Sample ID: 890-2641-11 Matrix: Solid

ID:	890-2
	Matr
Δnah	hazy

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 19:03	
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 19:03	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/26/22 10:50	07/28/22 19:03	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 19:03	
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		07/26/22 10:50	07/28/22 19:03	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/22 10:50	07/28/22 19:03	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				07/26/22 10:50	07/28/22 19:03	
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				07/26/22 10:50	07/28/22 19:03	
Method: Total BTEX - Total BTE	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/29/22 09:30	
Method: 8015 NM - Diesel Rang	e Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	<49.9	U	49.9		mg/Kg			07/28/22 09:08	
Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 02:09	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 02:09	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/28/22 11:12	07/29/22 02:09	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1-Chlorooctane	78		70 - 130				07/28/22 11:12	07/29/22 02:09	
o-Terphenyl	89		70 - 130				07/28/22 11:12	07/29/22 02:09	
Method: 300.0 - Anions, Ion Chr	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	5.83		4.96		mg/Kg			07/28/22 11:54	
lient Sample ID: S-6 (1-1.5	)						Lab Sam	ple ID: 890-2	641-1
ate Collected: 07/22/22 00:00								Matri	x: Sol
ate Received: 07/22/22 15:44									
ample Depth: 0 - 1.5									
Method: 8021B - Volatile Organi	c Compounds (	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Benzene	<0.000399	U	0.000399		mg/Kg	_	07/26/22 10:50	07/28/22 19:29	
Toluene	<0.000399	U	0.000399		mg/Kg		07/26/22 10:50	07/28/22 19:29	
Ethylbenzene	<0.000399	U	0.000399		mg/Kg		07/26/22 10:50	07/28/22 19:29	
m-Xylene & p-Xylene	<0.000798	U	0.000798		mg/Kg		07/26/22 10:50	07/28/22 19:29	

#### Xylenes, Total <0.000798 U 0.000798 mg/Kg 07/26/22 10:50 07/28/22 19:29 Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 67 S1-70 - 130 07/26/22 10:50 07/28/22 19:29

<0.000399 U\*+

Eurofins Carlsbad

07/28/22 19:29

07/26/22 10:50

o-Xylene

0.000399

mg/Kg

1

1

1

Dil Fac

Job ID: 890-2641-1 SDG: 225968

# Lab Sample ID: 890-2641-12

Matrix: Solid

5

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

Project/Site: DWU FEDERAL 1

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

Sample Depth: 0 - 1.5

Client: NT Global

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	125		70 - 130				07/26/22 10:50	07/28/22 19:29	
Method: Total BTEX - Total BTE)	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.000798	U	0.000798		mg/Kg			07/29/22 09:30	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			07/28/22 09:08	
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/28/22 01:36	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/28/22 01:36	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/27/22 16:56	07/28/22 01:36	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	82		70 - 130				07/27/22 16:56	07/28/22 01:36	
o-Terphenyl	78		70 - 130				07/27/22 16:56	07/28/22 01:36	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	9.89		5.02		mg/Kg			07/28/22 04:41	
lient Sample ID: S-7 (0-1)							Lab Sam	ple ID: 890-2	641-13
ate Collected: 07/22/22 00:00							-	•	x: Solid

Sample Depth: 0 - 1

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 B	<b>FEX Calculation</b>								
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 Rai	nge Organics (DR	O) (GC)							
Method: 8015 NM - Diesel Rai Analyte	• • •	<mark>O) (GC)</mark> Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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

Result Qualifier

<50.0 U

<50.0 U

<50.0 U

%Recovery Qualifier

83

81

RL

50.0

50.0

50.0

Limits

70 - 130

70 - 130

MDL Unit

mg/Kg

mg/Kg

mg/Kg

D

Prepared

07/27/22 16:56

07/27/22 16:56

07/27/22 16:56

Prepared

07/27/22 16:56

07/27/22 16:56

Job ID: 890-2641-1 SDG: 225968

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

Project/Site: DWU FEDERAL 1

Client: NT Global

Sample Depth: 0 - 1

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Analyte

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

(GRO)-C6-C10

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

## Lab Sample ID: 890-2641-13

Analyzed

07/28/22 02:16

07/28/22 02:16

07/28/22 02:16

Analyzed

07/28/22 02:16

07/28/22 02:16

Matrix: Solid

Dil Fac

1

1

1

1

1

Dil Fac

	 Method: 300.0 - Anions, Ion Chromate	ography -	Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	<4.99	U	4.99		mg/Kg			07/28/22 04:49	1

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

Matrix: Solid

_				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
880-17202-A-1-D MS	Matrix Spike	352 S1+	298 S1+		
880-17202-A-1-E MSD	Matrix Spike Duplicate	129	107		6
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+		8
890-2641-3	SW-3	99	123		
890-2641-4	SW-4	71	79		9
890-2641-5	SW-5	121	104		3
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		13
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

_			
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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

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Prep Type: Total/NA

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Prep Type: Total/NA

## Surrogate Summary

atrix: Solid				Prep Type: Total/NA	
				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
90-2641-13	S-7 (0-1)	83	81		
CS 880-30847/2-A	Lab Control Sample	103	98		
CS 880-30915/2-A	Lab Control Sample	104	104		
CSD 880-30847/3-A	Lab Control Sample Dup	97	95		
CSD 880-30915/3-A	Lab Control Sample Dup	99	101		
/IB 880-30847/1-A	Method Blank	90	86		1
MB 880-30915/1-A	Method Blank	105	127		
Surrogate Legend					
1CO = 1-Chlorooctane					
OTPH = o-Terphenyl					

## **QC Sample Results**

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

Lab Sample ID: MB 880-30589/5-A Matrix: Solid Analysis Batch: 30859							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	Total/NA
	MB	MB							
Analyte	Result	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	<0.00800	U	0.000800		mg/Kg		07/25/22 12:06	07/29/22 02:31	1
	МВ	МВ							
Surrogate	%Recovery	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						c	lient Sample I	D: Lab Control	Sample

#### . Matrix: Solid

#### Analysis Batch: 30859

	Spike	LCS LCS				%Rec	
Analyte	Added	Result Qualifie	er Unit	D	%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	

	LCS	LCS	
Surrogate	%Recovery	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							Prep	Batch:	30589
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	LCSD	LCSD	
Surrogate	%Recovery	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									Prej	p Batch: 30589
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

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Prep Type: Total/NA

**Client Sample ID: Matrix Spike** 

5

7

SDG: 225968

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Lab Sample ID: 880-17202-A-1-D MS

## **QC Sample Results**

MS MS

0.07292

0.1277 F1

0.1418 F1

**Result Qualifier** 

Unit

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.101

0.201

0.101

Limits

70 - 130

70 - 130

Client: NT Global Project/Site: DWU FEDERAL 1

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 30859

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

Sample Sample

<0.00201 UF1

<0.00402 UF1

<0.00201 UF1

MS MS

352 S1+

298 S1+

MR MR

%Recovery Qualifier

**Result Qualifier** 

Prep Type: Total/NA

Prep Batch: 30589

**Client Sample ID: Matrix Spike** 

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

72

63

141

D

5
7
8
9

#### **Client Sample ID: Matrix Spike Duplicate** Prep Type: Total/NA

**Client Sample ID: Method Blank** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 30669

Matrix: Solid Analysis Batch: 30859

Lab Sample ID: 880-17202-A-1-E MSD

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Analysis Batch: 30859									Prep	Batch:	30589	
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	ī
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	ĩ
o-Xylene	<0.00201	U F1	0.100	0.1004		mg/Kg		100	70 - 130	34	35	

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

#### Lab Sample ID: MB 880-30669/5-A Matrix: Solid Analysis Batch: 30859

	IVID	IVID							
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 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
	MB	МВ							
Surrogate	%Recovery	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

#### 1,4-Difluorobenzene (Surr)

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

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Prep Type: Total/NA

Prep Batch: 30669

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## **Released to Imaging: 2/3/2023 7:47:37 AM**

Lab Sample ID: LCS 880-30669/1-A

Client: NT Global

Project/Site: DWU FEDERAL 1

## **QC Sample Results**

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

**Client Sample ID: Lab Control Sample** 

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

Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 30859										Batch: 3	
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
o-Xylene			0.100	0.1307	*+	mg/Kg		131	70 - 130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								
Lab Sample ID: LCSD 880-3	80669/2-A					Clier	nt Sam	nle ID:	Lab Contro	al Sample	
Matrix: Solid						ener	it ouii			Type: Tot	
Analysis Batch: 30859										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	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
	LCSD										
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	116		70 - 130								
1,4-Difluorobenzene (Surr)	106		70 - 130								
Lab Sample ID: 890-2641-1	MS								Client Sar	mple ID:	SW-1
Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 30859									Prep	Batch: 3	30669
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00202	U	0.0998	0.07226		mg/Kg		72	70 - 130		
Toluene	< 0.00202	U									
	0.00202	0	0.0998	0.07101		mg/Kg		71	70 - 130		
Ethylbenzene	<0.00202		0.0998 0.0998	0.07101 0.07062		mg/Kg mg/Kg		71 71	70 <sub>-</sub> 130 70 <sub>-</sub> 130		
Ethylbenzene m-Xylene & p-Xylene		U									
	<0.00202	U U	0.0998	0.07062		mg/Kg		71	70 - 130		
m-Xylene & p-Xylene	<0.00202 <0.00403 <0.00202	U U	0.0998 0.200	0.07062 0.1424		mg/Kg mg/Kg		71 71	70 - 130 70 - 130		
m-Xylene & p-Xylene	<0.00202 <0.00403 <0.00202	U U U *+ <b>MS</b>	0.0998 0.200	0.07062 0.1424		mg/Kg mg/Kg		71 71	70 - 130 70 - 130		
m-Xylene & p-Xylene o-Xylene	<0.00202 <0.00403 <0.00202 <i>MS</i>	U U U *+ <b>MS</b>	0.0998 0.200 0.0998	0.07062 0.1424		mg/Kg mg/Kg		71 71	70 - 130 70 - 130		
m-Xylene & p-Xylene o-Xylene Surrogate	<0.00202 <0.00403 <0.00202 <i>MS</i> % <i>Recovery</i>	U U U *+ <b>MS</b>	0.0998 0.200 0.0998 <i>Limits</i>	0.07062 0.1424		mg/Kg mg/Kg		71 71	70 - 130 70 - 130		
m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	<0.00202 <0.00403 <0.00202 <b>MS</b> <u>%Recovery</u> 123 98	U U U *+ <b>MS</b>	0.0998 0.200 0.0998 <u>Limits</u> 70 - 130	0.07062 0.1424		mg/Kg mg/Kg		71 71	70 - 130 70 - 130 70 - 130	nole ID:	SW-1
m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2641-1	<0.00202 <0.00403 <0.00202 <b>MS</b> <u>%Recovery</u> 123 98	U U U *+ <b>MS</b>	0.0998 0.200 0.0998 <u>Limits</u> 70 - 130	0.07062 0.1424		mg/Kg mg/Kg		71 71	70 - 130 70 - 130 70 - 130 <b>Client Sa</b> r		
m-Xylene & p-Xylene o-Xylene <u>Surrogate</u> 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2641-1 Matrix: Solid	<0.00202 <0.00403 <0.00202 <b>MS</b> <u>%Recovery</u> 123 98	U U U *+ <b>MS</b>	0.0998 0.200 0.0998 <u>Limits</u> 70 - 130	0.07062 0.1424		mg/Kg mg/Kg		71 71	70 - 130 70 - 130 70 - 130 Client Sar Prep 1	Type: Tot	tal/NA
m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2641-1	<0.00202 <0.00403 <0.00202 <i>MS</i> <i>%Recovery</i> 123 98 MSD	U U U *+ MS Qualifier	0.0998 0.200 0.0998 <u>Limits</u> 70 - 130 70 - 130	0.07062 0.1424	MSD	mg/Kg mg/Kg		71 71	70 - 130 70 - 130 70 - 130 Client Sar Prep 1 Prep 1		tal/NA
m-Xylene & p-Xylene o-Xylene	<0.00202 <0.00403 <0.00202 <i>MS</i> % <i>Recovery</i> 123 98 MSD Sample	U U U *+ <b>MS</b>	0.0998 0.200 0.0998 <u>Limits</u> 70 - 130	0.07062 0.1424 0.08584 MSD	MSD Qualifier	mg/Kg mg/Kg	D	71 71	70 - 130 70 - 130 70 - 130 Client Sar Prep 1	Type: Tot	tal/NA 30669
m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2641-1 Matrix: Solid Analysis Batch: 30859	<0.00202 <0.00403 <0.00202 <i>MS</i> % <i>Recovery</i> 123 98 MSD Sample	U U V WS Qualifier	0.0998 0.200 0.0998 <u>Limits</u> 70 - 130 70 - 130 <b>Spike</b>	0.07062 0.1424 0.08584 MSD		mg/Kg mg/Kg mg/Kg	<u> </u>	71 71 86	70 - 130 70 - 130 70 - 130 Client Sar Prep 1 Prep %Rec	Type: Tot Batch: 3	tal/NA 30669 RPD
m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2641-1 Matrix: Solid Analysis Batch: 30859 Analyte	<0.00202 <0.00403 <0.00202 <i>MS</i> % <i>Recovery</i> 123 98 MSD Sample <u>Result</u> <0.00202	U U V *+ MS Qualifier U	0.0998 0.200 0.0998 <u>Limits</u> 70 - 130 70 - 130 70 - 130 <b>Spike</b> Added 0.101	0.07062 0.1424 0.08584 MSD Result 0.07981		mg/Kg mg/Kg mg/Kg	<u>D</u>	71 71 86 <u>%Rec</u> 79	70 - 130 70 - 130 70 - 130 <b>Client Sar</b> <b>Prep 1</b> <b>Prep</b> %Rec Limits	Batch: 3	tal/NA 30669 RPD Limit 35
m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2641-1 Matrix: Solid Analysis Batch: 30859 Analyte Benzene Toluene	<0.00202 <0.00403 <0.00202 <i>MS</i> //23 98 MSD Sample Result <0.00202 <0.00202	U U V *+ MS Qualifier U U U	0.0998 0.200 0.0998 <u>Limits</u> 70 - 130 70 - 130 70 - 130 <b>Spike</b> Added 0.101 0.101	0.07062 0.1424 0.08584 <b>MSD</b> Result 0.07981 0.08154		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	71 71 86 <b>%Rec</b> 79 81	70 - 130 70 - 130 70 - 130 <b>Client Sar</b> <b>Prep 1</b> <b>%Rec</b> <b>Limits</b> 70 - 130 70 - 130	<b>RPD</b> 10 11	tal/NA 30669 RPD Limit 35 35
m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2641-1 Matrix: Solid Analysis Batch: 30859 Analyte Benzene	<0.00202 <0.00403 <0.00202 <i>MS</i> % <i>Recovery</i> 123 98 MSD Sample <u>Result</u> <0.00202	U U V *+ MS Qualifier U U U U	0.0998 0.200 0.0998 <u>Limits</u> 70 - 130 70 - 130 70 - 130 <b>Spike</b> Added 0.101	0.07062 0.1424 0.08584 MSD Result 0.07981		mg/Kg mg/Kg mg/Kg	<u> </u>	71 71 86 <u>%Rec</u> 79	70 - 130 70 - 130 70 - 130 <b>Client Sar</b> <b>Prep 1</b> <b>%Rec</b> <b>Limits</b> 70 - 130	RPD       10	tal/NA 30669 RPD Limit 35

## **QC Sample Results**

Limits

70 - 130

70 - 130

RL

50.0

50.0

50.0

Limits

70 - 130

70 - 130

MDL Unit

mg/Kg

mg/Kg

mg/Kg

D

07/27/22

07/27/22

07/27/22

07/27/22

07/27/22

Lab Sample ID: 890-2641-1 MSD

Lab Sample ID: MB 880-30847/1-A

Matrix: Solid

Matrix: Solid

(GRO)-C6-C10

Analyte

C10-C28)

Surrogate

o-Terphenyl

o-Terphenyl

1-Chlorooctane

Surrogate

Analysis Batch: 30859

4-Bromofluorobenzene (Surr)

Analysis Batch: 30743

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

1,4-Difluorobenzene (Surr)

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

MSD MSD

MB MB

<50.0 U

<50.0 U

<50.0 U

MB MB

%Recovery Qualifier

90

86

95

Result Qualifier

%Recovery Qualifier

130

106

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

Page 60 of	155
Job ID: 890-2641-1	

			1
	Job ID: 890 SDG:	)-2641-1 225968	2
			3
C	Client Sample I	D: SW-1	
	Prep Type:		4
	Prep Batcl	1: 30669	5
			6
			7
Client Sa	mple ID: Metho	d Blank	8
	Prep Type: <sup>-</sup>		
	Prep Batcl	h: <b>30847</b>	9
Prepared	Analyzed	Dil Fac	10
7/27/22 16:56	07/27/22 20:46	1	11
7/27/22 16:56	07/27/22 20:46	1	
7/27/22 16:56	07/27/22 20:46	1	12
Prepared	Analyzed	Dil Fac	13
7/27/22 16:56	07/27/22 20:46	1	14
7/27/22 16:56	07/27/22 20:46	1	
nt Sample I	D: Lab Control Prep Type: <sup>-</sup> Prep Batcl %Rec	Total/NA	
) %Rec	Limits		
103	70 - 130		
103	70 - 130		
Imple ID: La	tb Control Sam Prep Type: ⁻		

Lab Sample ID: LCS 880-3084 Matrix: Solid Analysis Batch: 30743	7/2-A						Client	: Sample		ontrol S Type: To Batch:	tal/NA
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%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		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	98		70 - 130								
Lab Sample ID: LCSD 880-308	847/3-A					Clie	nt Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid										Гуре: То	-
Analysis Batch: 30743										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	981.8		mg/Kg		98	70 - 130	5	20
Diesel Range Organics (Over			1000	960.4		mg/Kg		96	70 - 130	7	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	97		70 - 130								

**Released to Imaging: 2/3/2023 7:47:37 AM** 

70 - 130

Lab Sample ID: 890-2633-A-1-H MS

## **QC Sample Results**

MS MS

1047

683.6 F1

Result Qualifier

Unit

mg/Kg

mg/Kg

Spike

Added

1000

1000

Limits

70 - 130

70 - 130

Client: NT Global Project/Site: DWU FEDERAL 1

Matrix: Solid

(GRO)-C6-C10

Analyte

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

Analysis Batch: 30743

Gasoline Range Organics

Diesel Range Organics (Over

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

Sample Sample

<50.0 U

<50.0 UF1

MS MS

%Recovery Qualifier

87

75

127

Result Qualifier

		1.1.1	D 000 0044 4	
		JOD I	D: 890-2641-1 SDG: 225968	
				-
	Client	Prep 1	: Matrix Spike Type: Total/NA	
_		%Rec	Batch: 30847	
D	<b>%Rec</b> 100	Limits 70 - 130		-
	68	70 - 130		
				8

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Lab Sample ID: 890-2633-A-1	o Sample ID: 890-2633-A-1-I MSD									Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid									Prep T	ype: To	tal/NA						
Analysis Batch: 30743									Prep	Batch:	30847						
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD						
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit						
Gasoline Range Organics	<50.0	U	999	1072		mg/Kg		103	70 - 130	2	20						
(GRO)-C6-C10																	
Diesel Range Organics (Over	<50.0	U F1	999	696.8		mg/Kg		70	70 - 130	2	20						
C10-C28)																	
	MSD	MSD															
Surrogate	%Recovery	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

-									
	MB	МВ							
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 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
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/28/22 11:12	07/28/22 20:23	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/28/22 11:12	07/28/22 20:23	1

70 - 130

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

o-Terphenyl

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

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

**Client Sample ID: Lab Control Sample** Prep Type: Total/NA

07/28/22 20:23

07/28/22 11:12

Prep Batch: 30915

1

## **QC Sample Results**

Client: NT Global Project/Site: DWU FEDERAL 1

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

Lab Sample ID: LCS 880-3091 Matrix: Solid	5/2- <b>A</b>						Client	Sample		Type: To	tal/NA
Analysis Batch: 30863									Prep	Batch:	30915
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	104		70 - 130								
 Lab Sample ID: LCSD 880-309 Matrix: Solid	15/3-A					Clie	nt Sarr	ple ID:	Lab Contro Prep 1	l Sample Type: Tot	
Analysis Batch: 30863										Batch:	
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	986.2		mg/Kg		99	70 - 130	6	20
(GRO)-C6-C10 Diosol Bango Organics (Over			1000	975.0		ma/Ka		98	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	975.0		mg/Kg		90	70 - 130	0	20
010-020)											
•	LCSD										
	%Recovery 99	Qualifier	Limits								
1-Chlorooctane	99 101		70 <sub>-</sub> 130 70 <sub>-</sub> 130								
o-Terphenyl	101		70 - 130								
 Lab Sample ID: 890-2641-1 MS	3								Client Sar	nple ID:	SW-1
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 30863										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	933.0		mg/Kg		91	70 - 130		
Diesel Range Organics (Over	<49.9	U	999	758.6		mg/Kg		73	70 - 130		
C10-C28)											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
o-Terphenyl	77		70 - 130								
Ξ	_										
Lab Sample ID: 890-2641-1 MS	5D								Client Sar		
Matrix: Solid										Type: To	
Analysis Batch: 30863	Commis	Comula	Califo	MOD	MeD					Batch:	
Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics	<49.9		999 -	1061	Quaimer	mg/Kg		104	70 - 130	13	20
(GRO)-C6-C10	0.0	<u> </u>	333	1001		mgning		104	70 - 100	10	20
Diesel Range Organics (Over	<49.9	U	999	790.2		mg/Kg		76	70 - 130	4	20
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane	88		70 - 130								

5

6 7 8

Eurofins Carlsbad

70 - 130

Client: NT Global

Project/Site: DWU FEDERAL 1

## **QC Sample Results**

Job ID: 890-2641-1 SDG: 225968

## Method: 300.0 - Anions, Ion Chromatography

									Client S	ample ID: I	Nethod	Blan
Matrix: Solid										Prep	Type: S	olubl
Analysis Batch: 30826												
		MB MB										
Analyte	R	esult Qualifier		RL	MDL Unit		D	Р	repared	Analyz	ed	Dil Fa
Chloride	<	5.00 U		5.00	mg/K	g				07/28/22 (	)1:17	
Lab Sample ID: LCS 880-30679/2-A							Clie	ent	Sample	ID: Lab Co	ontrol S	ampl
Matrix: Solid											Type: S	
Analysis Batch: 30826												
			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Chloride			250	261.5		mg/Kg			105	90 - 110		
Lab Sample ID: LCSD 880-30679/3-	-A					CI	ient S	am	ple ID: I	Lab Contro	I Sampl	e Du
Matrix: Solid										Prep	Type: S	olub
Analysis Batch: 30826												
-			Spike	LCSD	LCSD					%Rec		RF
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Lim
Chloride			250	262.2		mg/Kg		_	105	90 - 110	0	2
Lab Sample ID: 890-2636-A-1-B MS									Client	Sample ID:	Matrix	Spil
Matrix: Solid									Chem		Type: S	
										гтер	Type. 5	olub
Applycic Potch: 20926												
Analysis Batch: 30826	Sample	Sample	Sniko	МЗ	MS					%Pac		
-	Sample		Spike Addod	MS		Unit		n	% Boo	%Rec		
Analyte	Result	Sample Qualifier	Added	Result	MS Qualifier	Unit ma/Ka		D	%Rec	Limits		
-	•		-			Unit mg/Kg		D	%Rec 98			
Analyte	Result 68.7		Added	Result		mg/Kg	Client		98	Limits		olicat
Analyte Chloride	Result 68.7		Added	Result		mg/Kg	Client		98	Limits 90 - 110 D: Matrix Sp	ike Dup Type: S	
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS	Result 68.7		Added	Result		mg/Kg	Client		98	Limits 90 - 110 D: Matrix Sp		
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid	Result 68.7	Qualifier	Added	Result		mg/Kg	Client		98	Limits 90 - 110 D: Matrix Sp		olub
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid	Result 68.7	Qualifier	Added 252	Result 316.7	Qualifier	mg/Kg	Client		98	Limits 90 - 110 9: Matrix Sp Prep		olub RF
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826	Result 68.7	Qualifier	Added 252 Spike	Result 316.7 MSD	Qualifier	mg/Kg	Client	_ t Sa	98 Imple ID	Limits 90 - 110 C: Matrix Sp Prep %Rec	Type: S	olub RP Lim
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte	Result 68.7 CD Sample Result	Qualifier	Added 252 Spike Added	Result 316.7 MSD Result	Qualifier	mg/Kg	Client	_ t Sa	98 mple ID %Rec 99	Limits 90 - 110 91 - Matrix Sp Prep %Rec Limits	RPD	olub RF Lin
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride	Result 68.7 CD Sample Result	Qualifier	Added 252 Spike Added	Result 316.7 MSD Result	Qualifier	mg/Kg	Client	_ t Sa	98 mple ID %Rec 99	Limits 90 - 110 91 - 110 92 - Matrix Sp Prep %Rec Limits 90 - 110 ient Sampl	RPD	olub RF 
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride Lab Sample ID: 890-2641-7 MS	Result 68.7 CD Sample Result	Qualifier	Added 252 Spike Added	Result 316.7 MSD Result	Qualifier	mg/Kg	Client	_ t Sa	98 mple ID %Rec 99	Limits 90 - 110 91 - 110 92 - Matrix Sp Prep %Rec Limits 90 - 110 ient Sampl	RPD 0 e ID: S-	olub RP <u>Lim</u> 2 1 (0-'
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride Lab Sample ID: 890-2641-7 MS Matrix: Solid	Result 68.7 CD Sample Result	Qualifier	Added 252 Spike Added	Result 316.7 MSD Result 317.5	Qualifier	mg/Kg	Client	_ t Sa	98 mple ID %Rec 99	Limits 90 - 110 91 - 110 92 - Matrix Sp Prep %Rec Limits 90 - 110 ient Sampl	RPD 0 e ID: S-	olubl RP <u>Lim</u> 2 1 (0-1
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride Lab Sample ID: 890-2641-7 MS Matrix: Solid	Result 68.7 Sample Result 68.7 Sample Result	Qualifier	Added 252 Spike Added 252 Spike Added	Result 316.7 MSD Result 317.5 MS Result	Qualifier MSD Qualifier	mg/Kg	Client	_ t Sa	98 mple ID %Rec 99	Limits 90 - 110 9: Matrix Sp Prep %Rec Limits 90 - 110 ient Sampl Prep	RPD 0 e ID: S-	olubl RP <u>Lim</u> 2 1 (0-1
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride Lab Sample ID: 890-2641-7 MS Matrix: Solid Analysis Batch: 30826 Analyte	Result 68.7 Sample Result 68.7 Sample	Qualifier Sample Qualifier Sample	Added 252 Spike Added 252 Spike	Result 316.7 MSD Result 317.5	Qualifier MSD Qualifier MS	Unit mg/Kg	Client	D	98 - 98 - 98 - 98 - 98 - 98 - 99 - 99 -	Limits 90 - 110 9: Matrix Sp Prep %Rec Limits 90 - 110 ient Sampl Prep %Rec	RPD 0 e ID: S-	olubl RP <u>Lim</u> 2 1 (0-1
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride Lab Sample ID: 890-2641-7 MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride	Result 68.7 Sample Result 68.7 Sample Result	Qualifier Sample Qualifier Sample	Added 252 Spike Added 252 Spike Added	Result 316.7 MSD Result 317.5 MS Result	Qualifier MSD Qualifier MS	Unit Unit	Client	D	98 mple ID %Rec 99 CI %Rec 97	Limits 90 - 110 2: Matrix Sp Prep %Rec Limits 90 - 110 ient Sampl Prep %Rec Limits	Type: S RPD 0 e ID: S- Type: S	olub RP 
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride Lab Sample ID: 890-2641-7 MS Matrix: Solid Analyte Chloride Lab Sample ID: 890-2641-7 MSD Matrix: Solid	Result 68.7 Sample Result 68.7 Sample Result	Qualifier Sample Qualifier Sample	Added 252 Spike Added 252 Spike Added	Result 316.7 MSD Result 317.5 MS Result	Qualifier MSD Qualifier MS	Unit Unit	Client	D	98 mple ID %Rec 99 CI %Rec 97	Limits 90 - 110 C: Matrix Sp Prep %Rec Limits 90 - 110 ient Sampl 90 - 110 ient Sampl	Type: S RPD 0 e ID: S- Type: S	olub RF 
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride Lab Sample ID: 890-2641-7 MS Matrix: Solid Analysis Batch: 30826	Result 68.7 Sample Result 68.7 Sample Result 153	Qualifier	Added 252 Spike Added 252 Spike Added 249	Result           316.7           MSD           Result           317.5           MS           Result           394.0	Qualifier MSD Qualifier MS Qualifier	Unit Unit	Client	D	98 mple ID %Rec 99 CI %Rec 97	Limits 90 - 110 91 Matrix Sp Prep %Rec Limits 90 - 110 ient Sampl Prep %Rec Limits 90 - 110 ient Sampl Prep	Type: S RPD 0 e ID: S- Type: S  e ID: S-	olubi RP 
Analyte Chloride Lab Sample ID: 890-2636-A-1-C MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride Lab Sample ID: 890-2641-7 MS Matrix: Solid Analysis Batch: 30826 Analyte Chloride Lab Sample ID: 890-2641-7 MSD Matrix: Solid	Result 68.7 Sample Result 68.7 Sample Result 153	Qualifier	Added 252 Spike Added 252 Spike Added	Result           316.7           MSD           Result           317.5           MS           Result           394.0	Qualifier MSD Qualifier MS Qualifier	Unit Unit	Client	D	98 mple ID %Rec 99 CI %Rec 97	Limits 90 - 110 C: Matrix Sp Prep %Rec Limits 90 - 110 ient Sampl 90 - 110 ient Sampl	Type: S RPD 0 e ID: S- Type: S  e ID: S-	olubi RP Lim 2 1 (0-1 olubi

Client: NT Global Project/Site: DWU FEDERAL 1

#### Prep Batch: 30589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
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	8
890-2641-1	SW-1	Total/NA	Solid	5035		
890-2641-2	SW-2	Total/NA	Solid	5035		9
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

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

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	Ргер Туре	Matrix	Method	Prep Batch
890-2641-1 MSD	SW-1	Total/NA	Solid	8021B	30669
Analysis Batch: 3096	8				
I ah Sample ID	Client Sample ID	Pren Tyne	Matrix	Method	Pren Batch

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

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Client: NT Global Project/Site: DWU FEDERAL 1

## 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	Ргер Туре	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	

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

Client: NT Global Project/Site: DWU FEDERAL 1

## HPLC/IC (Continued)

#### Leach Batch: 30679 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
390-2641-5	SW-5	Soluble	Solid	DI Leach	
890-2641-6	SW-6	Soluble	Solid	DI Leach	
390-2641-7	S-1 (0-1)	Soluble	Solid	DI Leach	
390-2641-8	S-2 (0-1)	Soluble	Solid	DI Leach	
390-2641-9	S-3 (0-1)	Soluble	Solid	DI Leach	
90-2641-10	S-4 (0-1)	Soluble	Solid	DI Leach	
90-2641-11	S-5 (1-1.5)	Soluble	Solid	DI Leach	
90-2641-12	S-6 (1-1.5)	Soluble	Solid	DI Leach	
390-2641-13	S-7 (0-1)	Soluble	Solid	DI Leach	
/IB 880-30679/1-A	Method Blank	Soluble	Solid	DI Leach	
.CS 880-30679/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
CSD 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	
390-2641-7 MS	S-1 (0-1)	Soluble	Solid	DI Leach	
390-2641-7 MSD	S-1 (0-1)	Soluble	Solid	DI Leach	

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

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

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

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

**Client Sample ID: SW-1** 

Project/Site: DWU FEDERAL 1

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		20			30826	07/28/22 02:28	СН	XEN MID

#### **Client Sample ID: SW-2**

#### Date Collected: 07/22/22 00:00

Date Received: 07/22/22 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 02:51	СН	XEN MID

#### **Client Sample ID: SW-3**

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 02:59	СН	XEN MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-2641-3

Lab Sample ID: 890-2641-4

# Lab Sample ID: 890-2641-2

Released to Imaging: 2/3/2023 7:47:37 AM

Matrix: Solid

## Lab Chronicle

Client: NT Global Project/Site: DWU FEDERAL 1

## **Client Sample ID: SW-4**

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 03:07	СН	XEN MID

#### **Client Sample ID: SW-5** Date Collected: 07/22/22 00:00

## Date Received: 07/22/22 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 03:15	СН	XEN MID

#### **Client Sample ID: SW-6**

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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	<b>Received:</b>	07/22/22 15:44	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

**Eurofins Carlsbad** 

Matrix: Solid

Job ID: 890-2641-1 SDG: 225968

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

Lab Sample ID: 890-2641-5

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Lab Sample ID: 890-2641-6

Lab Sample ID: 890-2641-7

Matrix: Solid

Matrix: Solid

#### Lab Chronicle

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

Matrix: Solid

Matrix: Solid

Matrix: Solid

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Lab Sample ID: 890-2641-7

Lab Sample ID: 890-2641-8

Lab Sample ID: 890-2641-9

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

Date Received: 07/22/22 15:44

Project/Site: DWU FEDERAL 1

Client: NT Global

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

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

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 11:46	СН	XEN MID

#### Client Sample ID: S-3 (0-1) Date Collected: 07/22/22 00:00 Date Received: 07/22/22 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 04:02	СН	XEN MID

#### Client Sample ID: S-4 (0-1) Date Collected: 07/22/22 00:00 Date Received: 07/22/22 15:44

Lab Sample ID: 890-2641-10 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 04:25	CH	XEN MID

**Eurofins Carlsbad** 

Released to Imaging: 2/3/2023 7:47:37 AM

Client: NT Global

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Project/Site: DWU FEDERAL 1

Date Collected: 07/22/22 00:00

Date Received: 07/22/22 15:44

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

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Initial

Amount

5.03 g

10.02 g

5.04 g

Final

Amount

5 mL

10 mL

50 mL

Batch

30669

30859

30968

30877

30915

30863

30679

30826

Number

Dil

1

1

1

1

1

Factor

Run

Job ID: 890-2641-1 SDG: 225968

# Lab Sample ID: 890-2641-11

Analyst

MR

MR

SM

SM

DM

SM

СН

СН

Lab Sample ID: 890-2641-12

Lab Sample ID: 890-2641-13

Prepared

or Analyzed

07/26/22 10:50

07/28/22 19:03

07/29/22 09:30

07/28/22 09:08

07/28/22 11:12

07/29/22 02:09

07/26/22 11:04

07/28/22 11:54

Matrix: Solid

Lab

XEN MID

Matrix: Solid

Matrix: Solid

#### Client Sample ID: S-6 (1-1.5) Date Collected: 07/22/22 00:00

Date Received: 07/22/22 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			30826	07/28/22 04:41	СН	XEN MID

#### Client Sample ID: S-7 (0-1) Date Collected: 07/22/22 00:00 Date Received: 07/22/22 15:44

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

#### Laboratory References:

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

Accreditation/Certification Summary

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

ithority	P	rogram	Identification Number	Expiration Date
xas	N	IELAP	T104704400-22-24	06-30-23
The following analytes the agency does not o	· · · · ·	but the laboratory is not certif	ed by the governing authority. This list ma	ay include analytes f
0,	Prep Method	Matrix	Analyte	
Analysis Method 8015 NM		Matrix Solid	Analyte Total TPH	

Eurofins Carlsbad

Job ID: 890-2641-1

SDG: 225968
### **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	B
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 Refe	erences:			8
ASTM = A	STM International			
MCAWW	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March	1983 And Subsequent Revisions.		9
SW846 =	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition	, November 1986 And Its Updates.		
TAL SOP	= TestAmerica Laboratories, Standard Operating Procedure			

#### Protocol References:

#### Laboratory References:

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

#### Sample Summary

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	

.

Elen (il	Relinquished by Signature)	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors 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 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	Additional Comments:	S-4 (0-1) 7/22/2022	S-3 (0-1) 7/22/2022	S-2 (0-1) 7/22/2022	S-1 (0-1) 7/22/2022	SW-6 7/22/2022	SW-5 7/22/2022	SW-4 7/22/2022	SW-3 7/22/2022	SW-2 7/22/2022	SW-1 7/22/2022	Sample Identification Date	Total Containers: 13	Sample Custody Seals: Yes No N/A	Cooler Custody Seals: Yes No NTA	Received Intact: (Yes No	SAMPLE RECEIPT Temp Blank:			Project Location Eddy County	er.	Project Name: DWU Federal 1	Phone: 254-266-5456	City, State ZIP: Carlsbad, NM 88220	Address: 402 E Wood Ave	Company Name: NTG Environmental	Flujeu Manager. Ethan Sessuins
a cup	Received by: (Signature)	ples constitutes a valid purchai id shall not assume any respon project and a charge of \$5 for ¢		×	×	×	×	×	×	×	×	×	×	Time Soil	Corrected Temperature:	Temperature Reading:	Correction Factor:	18	Kes No Wet Ice:	lab, if rece	TAT starts the	Due Date:	✓ Routine	Turr	Email:				
	ıre)	se order from client comp sibility for any losses or e sach sample submitted to		Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Water Grab/ Comp	5.4	ic	-0-2	INM-007	(Yes) NO	lab, if received by 4:30pm	TAT starts the day received by the		5	Turn Around		City, State ZIP:	Address:	Company Name:	Bill to: (if different)
1.23.22 15.	Date/Time	any to Xenco, its affiliates an xpenses incurred by the clier Xenco, but not analyzed. The		1   X   X   X	1 X X X		1 X X X	1 X X X	1 X X X	1 X X X	1 X X X	1 X X X	1 X X X	# of TPI	H 80	15M	TEX	802	DRC		RO)		Code					Colgate	
		d subcontractors. It assigns standard terms and conditions It if such losses are due to circumstances beyond the control se terms will be enforced unless previously negotiated.															890-2641 Chain of Custody							ANALYSIS REQUEST		R	St	P	
	) Received by: (Signature)	na and conditions beyond the control ly negotiated.														Zn	Н	OLD		H <sub>2</sub>	HC		No	ST	Deliverables: EDD ADaPT		State of Project:	ST  PRP	Work Order Comments
	) Date/Time													Sample Comments	NaUH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO4: NABIS	H₃PO₄: HP	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na		Cool: Cool MeOH: Me	None: NO DI Water: H <sub>2</sub> O	Preservative Codes	Uther:			Brownfields RRC uperfund	

### Received by OCD: 12/20/2022 12:27:38 PM



Chain of Custody

Project Manager: Ethan Sessums	essums			Bill to: (if different)	0				Work Order Comments	5
	NTG Environmental			Company Name	ie:	Colgate	Φ		ST DPRP	Brownfields RRC Duperfund
	lood Ave			Address:					State of Project:	]
te ZIP:	Carlsbad, NM 88220			City, State ZIP:					Reporting:Level II Level III PST/UST	
	-5456		Email:						Deliverables: EDD ADaPT	T Other:
Project Name	DWU Federal 1		Turn	Turn Around	-			ANALYSIS REQUEST	UEST	Preservative Codes
Project Number:	225968		<ul> <li>Routine</li> </ul>	Rush	Pres. Code					None: NO DI Water: H <sub>2</sub> O
Project Location	Eddy County		Due Date:		_		)			Cool: Cool MeOH: Me
Sampler's Name:	Tyler Kimball		TAT starts the c	TAT starts the day received by the	he		IRO)			HCL: HC HNO3: HN
PO #			lab, if receiv	lab, if received by 4:30pm			) + M			H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	nete	1B	DRC 500			H³bO⁺: Hb
Received Intact:	Yes No	Thermometer ID:	ter ID:		arar	802	₹O + ide 4		OLD	NaHSO4: NABIS
Cooler Custody Seals:	Yes No N/A	Correction Factor:	Factor:		P	TEX			н	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Sample Custody Seals:	Yes No N/A	Temperatu	Temperature Reading:			E	-			Zn Acetate+NaUH: Zn
Total Containers:	13	Corrected	Corrected Temperature:			L	H 80			NaUH+Ascoroic Acid: SAPC
Sample Identification	Date	Time	Soil	Water Comp	np Cont		ТР			Sample Comments
S-5 (1-1.5)	7/22/2022		×	Comp	np 1	×	× ×			
S-6 (1-1.5)	7/22/2022		×	Comp	np 1	×	X X			
S-7 (0-1)	7/22/2022		×	Comp	np 1	×	××			
	792212022		×	Comp	np 1	×	××			
	712212028	5	×	Comp	np 1	×	X X			
	7/22/2022	44	×	Comp	np 1	×	X X			
	7/22/2022	1	1	Comp	np 1	×	X X			
	7/22/2022		×	Comp	np 1	×	× ×			
	7/22/2022		×	Comp	1	×	××			
	7/22/2022		×	Comp	np 1	*	××			
Additional Comments:	nments:									
Notce: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors 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 of Xenco. A minimum charge of \$55.00 will be applied to acch project and a charge of \$5.00 methods samples to Xenco. But not analyzed. These terms will be	nature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its atriliates and subcontractor 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 A minimum charge of \$56.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be	oles constitute I shall not ass project and a	es a valid purchas sume any respons charge of \$5 for ea	ples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractor d shall not assume any responsibility for any losses or expenses incurred by the client if such losses project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be	nt company to ses or expensional litted to Xenc	o Xenco, its ses Incurre o, but not a	affiliates and s d by the client h nalyzed. These	ubconfractors. It assigns standard terms and condit If such losses are due to circumstances beyond the co terms will be enforced unless previously negotiated.	b). It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotlated.	
Relinguished by: (Signature)	>	Received by:	l by: (Signature)	re)		Date/Time	ime		ure) Received by: (Signature)	Ire) Date/Time
			-		2	2	2 1 2 1		+	



NTG

13

Chain of Custody

Work Order No: \_

14

#### Login Sample Receipt Checklist

Client: NT Global

#### Login Number: 2641 List Number: 1

<6mm (1/4").

Creator: Clifton, Cloe

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	N/A	

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

List Source: Eurofins Carlsbad

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

List Source: Eurofins Midland

List Creation: 07/26/22 10:50 AM

#### Login Sample Receipt Checklist

Client: NT Global

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

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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 12/20/2022 12:27:38 PM

----- LINKS

Review your project results through

EOL

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# 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

VRAMER

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.

Page 80 of 155

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QC Sample Results	28
QC Association Summary	36
Lab Chronicle	43
Certification Summary	51
Method Summary	52
Sample Summary	53
Chain of Custody	54
Receipt Checklists	57

	Deminions/elossary	
Client: NT Glol Proiect/Site <sup>:</sup> D	bal Job ID: 890-2963-1 WU Federal #1 SDG: 225968	2
-		
Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
S1+	Surrogate recovery exceeds control limits, high biased.	5
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.	8
HPLC/IC		
Qualifier	Qualifier Description	9
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	10
CNF	Contains No Free Liquid	13
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)	

Limit of Quantitation (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

LOQ

MCL

MDA

MDC

MDL

ML MPN

MQL

NC

ND

NEG

POS

PQL

PRES

QC RER

RL

RPD

TEF TEQ

TNTC

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

#### 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.

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

Case Narrative	
Client: NT GlobalJob ID: 890-2963-Project/Site: DWU Federal #1SDG: 225968	
-	-
Job ID: 890-2963-1 (Continued)	_ 3
Laboratory: Eurofins Carlsbad (Continued)	4
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.	
GC Semi VOA	5
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.	8
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.	9
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.	
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Job ID: 890-2963-1 SDG: 225968

#### **Client Sample ID: SW-1** Date Collected: 09/14/22 12:00

Project/Site: DWU Federal #1

Client: NT Global

Date Received: 09/14/22 15:30

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 BTE	X 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						_			
Analyte		Qualifier		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 Ran	ge Organics (D	RO) (GC)							
		RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared 09/16/22 11:45	Analyzed	
Analyte Gasoline Range Organics	Result	Qualifier		MDL		<u>D</u>	<u> </u>		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier		MDL		<u> </u>	<u> </u>		1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 97.4	Qualifier U	49.9	MDL	mg/Kg mg/Kg	<u> </u>	09/16/22 11:45 09/16/22 11:45	09/16/22 18:53 09/16/22 18:53	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u> </u>	09/16/22 11:45	09/16/22 18:53	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 97.4	Qualifier U	49.9	MDL	mg/Kg mg/Kg	<u>D</u>	09/16/22 11:45 09/16/22 11:45	09/16/22 18:53 09/16/22 18:53	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9 97.4 <49.9	Qualifier U	49.9 49.9 49.9	MDL	mg/Kg mg/Kg	<u> </u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45	09/16/22 18:53 09/16/22 18:53 09/16/22 18:53	Dil Fac 1 1 1 1 <i>Dil Fac</i>
Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9 97.4 <49.9 %Recovery	Qualifier U	49.9 49.9 49.9 Limits	MDL	mg/Kg mg/Kg	<u> </u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b>	09/16/22 18:53 09/16/22 18:53 09/16/22 18:53 09/16/22 18:53 <b>Analyzed</b>	1 1 1 <i>Dil Fac</i>
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result           <49.9	Qualifier U Qualifier	49.9 49.9 49.9 <u>Limits</u> 70 - 130	MDL	mg/Kg mg/Kg	<u>D</u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b> 09/16/22 11:45	09/16/22 18:53 09/16/22 18:53 09/16/22 18:53 09/16/22 18:53 <u>Analyzed</u> 09/16/22 18:53	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result           <49.9	Qualifier U Qualifier	49.9 49.9 49.9 <u>Limits</u> 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b> 09/16/22 11:45	09/16/22 18:53 09/16/22 18:53 09/16/22 18:53 09/16/22 18:53 <u>Analyzed</u> 09/16/22 18:53	Dil Fac

#### e Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

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

Eurofins Carlsbad

### Lab Sample ID: 890-2963-1 Matrix: Solid

Job ID: 890-2963-1 SDG: 225968

Lab Sample ID: 890-2963-2

# **Client Sample ID: SW-2**

Project/Site: DWU Federal #1

Client: NT Global

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

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 (DR	O) (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 Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 19:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 19:58	1
C10-C28)									
Oll 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 Chro	matography -	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**

Date Collected: 09/14/22 12:00

#### Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organ	nic 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 BTE	X 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 Rang	e Organics (DR	O) (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 Ran	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 20:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 20:19	1
C10-C28)									

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Matrix: Solid

Matrix: Solid

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

Matrix: Solid

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Lab Sample ID: 890-2963-3

# **Client Sample ID: SW-3**

Project/Site: DWU Federal #1

Client: NT Global

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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 Chro	matography -	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

Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

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 C	alculation								
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 O	rganics (DR	0) (GC)							
	Analyte Total BTEX	Total BTEX <0.00398	Analyte Result Qualifier	AnalyteResultQualifierRLTotal BTEX<0.00398U0.00398	AnalyteResultQualifierRLMDLTotal BTEX<0.00398U0.00398	Analyte     Result     Qualifier     RL     MDL     Unit       Total BTEX     <0.00398     U     0.00398     mg/Kg	AnalyteResultQualifierRLMDLUnitDTotal BTEX<0.00398U0.00398mg/Kg	Analyte     Result     Qualifier     RL     MDL     Unit     D     Prepared       Total BTEX     <0.00398     U     0.00398     mg/Kg     D     Prepared	Analyte     Result     Qualifier     RL     MDL     Unit     D     Prepared     Analyzed       Total BTEX     <0.00398     0     0.00398     mg/Kg     D     09/26/22 16:44

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

Eurofins Carlsbad

Job ID: 890-2963-1 SDG: 225968

#### Client Sample ID: SW-5 Date Collected: 09/14/22 12:00

Project/Site: DWU Federal #1

Client: NT Global

Date Received: 09/14/22 15:30

	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)		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 BTE	X 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 Rang	o Organice (DP								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.1		50.0		mg/Kg			09/19/22 11:13	
	04.1		00.0		mg/rtg			00/10/22 11:10	
Method: 8015B NM - Diesel Ran	ige Organics (D								
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared 09/16/22 11:45	Analyzed 09/16/22 21:02	
Analyte Gasoline Range Organics	Result	Qualifier		MDL		<u>D</u>	· · · · · · · · · · · · · · · · · · ·		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier		MDL		<u> </u>	· · · · · · · · · · · · · · · · · · ·		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 84.1	Qualifier U	50.0	MDL	mg/Kg mg/Kg	<u> </u>	09/16/22 11:45 09/16/22 11:45	09/16/22 21:02 09/16/22 21:02	,
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U	50.0	MDL	mg/Kg	<u> </u>	09/16/22 11:45	09/16/22 21:02	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 84.1	Qualifier U	50.0	MDL	mg/Kg mg/Kg	<u>D</u>	09/16/22 11:45 09/16/22 11:45	09/16/22 21:02 09/16/22 21:02	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0 84.1 <50.0	Qualifier U	50.0 50.0 50.0	MDL	mg/Kg mg/Kg	<u> </u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45	09/16/22 21:02 09/16/22 21:02 09/16/22 21:02	1 1 1
Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0 84.1 <50.0 %Recovery	Qualifier U	50.0 50.0 50.0 <i>Limits</i>	MDL	mg/Kg mg/Kg	<u>D</u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b>	09/16/22 21:02 09/16/22 21:02 09/16/22 21:02 09/16/22 21:02 <b>Analyzed</b>	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result           <50.0	Qualifier U Qualifier	50.0 50.0 50.0 <u>Limits</u> 70 - 130	MDL	mg/Kg mg/Kg	<u> </u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b> 09/16/22 11:45	09/16/22 21:02 09/16/22 21:02 09/16/22 21:02 09/16/22 21:02 <u>Analyzed</u> 09/16/22 21:02	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result           <50.0	Qualifier U Qualifier	50.0 50.0 50.0 <u>Limits</u> 70 - 130		mg/Kg mg/Kg	<u>D</u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b> 09/16/22 11:45	09/16/22 21:02 09/16/22 21:02 09/16/22 21:02 09/16/22 21:02 <u>Analyzed</u> 09/16/22 21:02	Dil Fa

# Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

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

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# Lab Sample ID: 890-2963-5

Matrix: Solid

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

# Project/Site: DWU Federal #1 **Client Sample ID: SW-6**

Client: NT Global

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

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 (DR	0) (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 Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 21:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 21:23	1
C10-C28)									
Oll 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 Chro	matography -	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

Date Collected: 09/14/22 12:00

#### Date Received: 09/14/22 15:30

Method: 8021B - Volatile Organ	nic 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 BTE	X 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 Rang	e Organics (DR	O) (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 Rar	nge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 21:45	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 21:45	1
C10-C28)									

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Matrix: Solid

Matrix: Solid

5

Lab Sample ID: 890-2963-6

Job ID: 890-2963-1 SDG: 225968

# **Client Sample ID: SW-7**

Project/Site: DWU Federal #1

Client: NT Global

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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 Chr	omatography -	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
ate Collected: 09/14/22 12:00								nple ID: 890- Matri	x: Solid
ate Collected: 09/14/22 12:00 ate Received: 09/14/22 15:30 Method: 8021B - Volatile Organi		· · · ·	PI	MDI	Unit			Matri	x: Solid
ate Collected: 09/14/22 12:00 ate Received: 09/14/22 15:30 Method: 8021B - Volatile Organi Analyte	Result	Qualifier	<b>RL</b>	MDL	Unit ma/Ka	<u>D</u>	Prepared	- Matri	x: Solid
ate Collected: 09/14/22 12:00 ate Received: 09/14/22 15:30 Method: 8021B - Volatile Organi Analyte Benzene	Result <0.00199	Qualifier	0.00199	MDL	mg/Kg	<u>D</u>	Prepared 09/22/22 15:51	Matri Analyzed 09/24/22 18:59	x: Solid
ate Collected: 09/14/22 12:00 ate Received: 09/14/22 15:30 Method: 8021B - Volatile Organi Analyte Benzene Toluene	Result <0.00199	Qualifier U U		MDL	mg/Kg mg/Kg	<u>D</u>	Prepared	- Matri	x: Solid
ate Collected: 09/14/22 12:00 ate Received: 09/14/22 15:30 Method: 8021B - Volatile Organi Analyte Benzene Toluene Ethylbenzene	Result <0.00199 <0.00199	Qualifier U U U	0.00199 0.00199	MDL	mg/Kg mg/Kg mg/Kg	D	Prepared 09/22/22 15:51 09/22/22 15:51	Matri Analyzed 09/24/22 18:59 09/24/22 18:59	x: Solid
ate Collected: 09/14/22 12:00 ate Received: 09/14/22 15:30 Method: 8021B - Volatile Organi Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00199 <0.00199 <0.00199	Qualifier U U U U U	0.00199 0.00199 0.00199	MDL	mg/Kg mg/Kg	<u> </u>	Prepared 09/22/22 15:51 09/22/22 15:51 09/22/22 15:51	Matri <u>Analyzed</u> 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59	x: Solid
ate Collected: 09/14/22 12:00 ate Received: 09/14/22 15:30 Method: 8021B - Volatile Organi Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Result <0.00199 <0.00199 <0.00199 <0.00199 <0.00398	Qualifier U U U U U U	0.00199 0.00199 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 09/22/22 15:51 09/22/22 15:51 09/22/22 15:51 09/22/22 15:51	Matri <u>Analyzed</u> 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59	x: Solid
ate Collected: 09/14/22 12:00 ate Received: 09/14/22 15:30 Method: 8021B - Volatile Organi Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total	Result           <0.00199	Qualifier U U U U U U U U	0.00199 0.00199 0.00199 0.00398 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	<b>Prepared</b> 09/22/22 15:51 09/22/22 15:51 09/22/22 15:51 09/22/22 15:51	Matri 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59	x: Solid Dil Fac
Client Sample ID: SW-8 Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30 Method: 8021B - Volatile Organi Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	Result           <0.00199	Qualifier U U U U U U U U	0.00199 0.00199 0.00199 0.00398 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 09/22/22 15:51 09/22/22 15:51 09/22/22 15:51 09/22/22 15:51 09/22/22 15:51	Matri 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59 09/24/22 18:59	<b>Dil Fac</b> 1 1 1 1 1 1 1

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 O	rganics (DR	O) (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 Prepared Analyzed D <50.0 U 50.0 09/16/22 11:45 Gasoline Range Organics mg/Kg 09/16/22 22:06 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 09/16/22 11:45 09/16/22 22:06 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 09/16/22 11:45 09/16/22 22:06 Surrogate %Recovery Qualifier Limits Prepared Analyzed 1-Chlorooctane 94 70 - 130 09/16/22 11:45 09/16/22 22:06 97 70 - 130 09/16/22 11:45 09/16/22 22:06 o-Terphenyl Method: 300.0 - Anions, Ion Chromatography - Soluble

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

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Lab Sample ID: 890-2963-7 Matrix: Solid

5

Dil Fac

1

1

1

1

1

Dil Fac

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

5

#### Client Sample ID: CS-1 (2') Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 19:26	
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 19:26	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 19:26	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/22/22 15:51	09/24/22 19:26	•
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:51	09/24/22 19:26	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/22/22 15:51	09/24/22 19:26	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				09/22/22 15:51	09/24/22 19:26	
1,4-Difluorobenzene (Surr)	77		70 - 130				09/22/22 15:51	09/24/22 19:26	
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/26/22 16:44	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:28	
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:28	
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:28	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane			70 - 130				09/16/22 11:45	09/16/22 22:28	
o-Terphenyl	103		70 - 130				09/16/22 11:45	09/16/22 22:28	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	29.0		4.98		mg/Kg			09/21/22 01:52	
lient Sample ID: CS-2 (2')							Lab Sam	ple ID: 890-2	963-10

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

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Lab Sample ID: 890-2963-9

### Released to Imaging: 2/3/2023 7:47:37 AM

Job ID: 890-2963-1 SDG: 225968

# Client Sample ID: CS-2 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

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 (DR	0) (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 Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:50	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 22:50	1
C10-C28)									
Oll 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 Chro	matography -	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')

Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

C10-C28)

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 BT	EX 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 C	Organics (DR	O) (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 Analyte	- · ·	RO) (GC) 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	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 23:33	1

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Matrix: Solid

5

#### Lab Sample ID: 890-2963-10 Matrix: Solid

Released to Imaging: 2/3/2023 7:47:37 AM

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

5

12 13

Lab Sample ID: 890-2963-11

# Client Sample ID: CS-3 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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 Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		5.05		mg/Kg			09/21/22 02:02	1

Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

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 C	alculation								
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 O	rganics (DR	O) (GC)							

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg	9		09/19/22 11:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9		49.9		mg/Kg		09/16/22 11:45	09/16/22 23:54	1
(GRO)-C6-C10	1010	0	1010				00,10,22 1110	00,10,22 2010 1	·
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/16/22 23:54	1
C10-C28)									
Oll 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			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 Chro	omatography -	Soluble							
						_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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Job ID: 890-2963-1 SDG: 225968

#### Client Sample ID: CS-5 (2") Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

	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	
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:56	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:56	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/22 12:23	09/26/22 17:56	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 17:56	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/22 12:23	09/26/22 17:56	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	102		70 - 130				09/25/22 12:23	09/26/22 17:56	
1,4-Difluorobenzene (Surr)	98		70 - 130				09/25/22 12:23	09/26/22 17:56	-
Method: Total BTEX - Total BTEX	<b>Calculation</b>								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:44	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			09/19/22 11:13	
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Method: 8015B NM - Diesel Rang Analyte		RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	<b>RL</b> 50.0	MDL	Unit mg/Kg	<u>D</u>	Prepared 09/16/22 11:45	Analyzed	
Analyte Gasoline Range Organics GRO)-C6-C10	Result <50.0	Qualifier U	50.0	MDL	mg/Kg	<u>D</u>	09/16/22 11:45	09/17/22 00:16	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		MDL		<u> </u>			Dil Fac
Analyte Gasoline Range Organics GRO)-C6-C10	Result <50.0	Qualifier U U	50.0	MDL	mg/Kg	<u>D</u>	09/16/22 11:45	09/17/22 00:16	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U	50.0	MDL	mg/Kg mg/Kg	<u> </u>	09/16/22 11:45 09/16/22 11:45	09/17/22 00:16 09/17/22 00:16	,
Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U	50.0 50.0 50.0	MDL	mg/Kg mg/Kg	<u> </u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45	09/17/22 00:16 09/17/22 00:16 09/17/22 00:16	
Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0 <50.0 <50.0 %Recovery	Qualifier U U U	50.0 50.0 50.0 <b>Limits</b>	MDL	mg/Kg mg/Kg	<u> </u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b>	09/17/22 00:16 09/17/22 00:16 09/17/22 00:16 <b>Analyzed</b>	 Dil Fac
Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl	Result           <50.0	Qualifier U U Qualifier	50.0 50.0 50.0 <u>Limits</u> 70 - 130	MDL	mg/Kg mg/Kg	<u>D</u>	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b> 09/16/22 11:45	09/17/22 00:16 09/17/22 00:16 09/17/22 00:16 <u>Analyzed</u> 09/17/22 00:16	Dil Fa
Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0 <50.0 <50.0 %Recovery 116 120 omatography -	Qualifier U U Qualifier	50.0 50.0 50.0 <u>Limits</u> 70 - 130		mg/Kg mg/Kg	D	09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b> 09/16/22 11:45	09/17/22 00:16 09/17/22 00:16 09/17/22 00:16 <u>Analyzed</u> 09/17/22 00:16	Dil Fa
Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane D-Terphenyl Method: 300.0 - Anions, Ion Chro	Result <50.0 <50.0 <50.0 %Recovery 116 120 omatography -	Qualifier U U Qualifier Soluble	50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130		mg/Kg mg/Kg mg/Kg		09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b> 09/16/22 11:45 09/16/22 11:45	09/17/22 00:16 09/17/22 00:16 09/17/22 00:16 <b>Analyzed</b> 09/17/22 00:16 09/17/22 00:16	Dil Fa
Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane b-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte	Result           <50.0	Qualifier U U Qualifier Soluble	50.0 50.0 <u>Limits</u> 70 - 130 70 - 130 RL		mg/Kg mg/Kg mg/Kg Unit		09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b> 09/16/22 11:45 09/16/22 11:45 <b>Prepared</b>	09/17/22 00:16 09/17/22 00:16 09/17/22 00:16 <b>Analyzed</b> 09/17/22 00:16 09/17/22 00:16 Analyzed	Dil Fa

#### Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit D Dil Fac RL Prepared Analyzed Benzene <0.00199 U 0.00199 mg/Kg 09/25/22 12:23 09/26/22 18:17 1 Toluene 09/25/22 12:23 <0.00199 U 0.00199 mg/Kg 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 <0.00398 U 0.00398 09/25/22 12:23 09/26/22 18:17 Xylenes, Total mg/Kg 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 92 70 - 130 09/25/22 12:23 09/26/22 18:17 4-Bromofluorobenzene (Surr) 1 1,4-Difluorobenzene (Surr) 106 70 - 130 09/25/22 12:23 09/26/22 18:17 1

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Matrix: Solid

# Lab Sample ID: 890-2963-13

5

## **Client Sample Results**

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

# Client Sample ID: CS-6 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

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 (DR	O) (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 Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 00:37	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 00:37	1
C10-C28)									
Oll 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 Chro	matography -	Soluble							
Analyte		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')

Date Collected: 09/14/22 12:00

#### Lab Sample ID: 890-2963-15 Matrix: Solid

Date Received: 09/14/22 15:30

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

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 Rang	e Organics (DR	O) (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 Ran	ae Organics (D	RO) (GC)							
Welliou. OUISD NW - Diesei Kan									
	<b>.</b> .	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	<b>.</b> .		<b>RL</b> 49.9	MDL	Unit mg/Kg	D	Prepared 09/16/22 11:45	Analyzed 09/17/22 00:59	Dil Fac
Analyte Gasoline Range Organics	Result			MDL		<u> </u>	· · · · · · · · · · · · · · · · · · ·		Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	U		MDL		D	· · · · · · · · · · · · · · · · · · ·		<b>Dil Fac</b> 1

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Lab Sample ID: 890-2963-14

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

5

Lab Sample ID: 890-2963-15

# Client Sample ID: CS-7 (2')

Date Collected: 09/14/22 12:00

Project/Site: DWU Federal #1

Client: NT Global

Method: 8015B NM - Diesel Range						_			
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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 Chror	natography -	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
lient Sample ID: CS-8 (2')							Lab Sam	ple ID: 890-2	963-16
ate Collected: 09/14/22 12:00								•	x: Solio
ate Received: 09/14/22 15:30								Math	
	Compounds (	GC)							
Method: 8021B - Volatile Organic	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8021B - Volatile Organic Analyte			<b>RL</b>	MDL	Unit mg/Kg	<u>D</u>	Prepared 09/25/22 12:23	Analyzed	
Method: 8021B - Volatile Organic Analyte Benzene	Result	Qualifier	0.00199	MDL		<u>D</u>	09/25/22 12:23 09/25/22 12:23	09/26/22 18:57 09/26/22 18:57	
Method: 8021B - Volatile Organic Analyte Benzene Toluene	Result           <0.00199	Qualifier U	0.00199	MDL	mg/Kg	<u> </u>	09/25/22 12:23	09/26/22 18:57	,
Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene	Result           <0.00199	Qualifier U U	0.00199	MDL	mg/Kg mg/Kg	<u>D</u>	09/25/22 12:23 09/25/22 12:23	09/26/22 18:57 09/26/22 18:57	
Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result           <0.00199	Qualifier U U U	0.00199 0.00199 0.00199	MDL	mg/Kg mg/Kg mg/Kg	<u> </u>	09/25/22 12:23 09/25/22 12:23 09/25/22 12:23	09/26/22 18:57 09/26/22 18:57 09/26/22 18:57	
Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Result           <0.00199	Qualifier U U U U U U	0.00199 0.00199 0.00199 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23	09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57	
Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total	Result           <0.00199	Qualifier U U U U U U	0.00199 0.00199 0.00199 0.00398 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23	09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57	1 1 1 1 1 1
Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	Result           <0.00199	Qualifier U U U U U U U U	0.00199 0.00199 0.00199 0.00398 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23	09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57	Dil Fa
Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	Result           <0.00199	Qualifier U U U U U U U U	0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 Limits	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 Prepared	09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 Analyzed	 
Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTEX	Result           <0.00199	Qualifier U U U U U U U U	0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 <u>Limits</u> 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 <b>Prepared</b> 09/25/22 12:23	09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 Analyzed 09/26/22 18:57	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 8021B - Volatile Organic Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Result           <0.00199	Qualifier U U U U U U U U	0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 <u>Limits</u> 70 - 130		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 09/25/22 12:23 <b>Prepared</b> 09/25/22 12:23	09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 09/26/22 18:57 Analyzed 09/26/22 18:57	Dil Fac

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

Result Qualifier

<49.9 U

Analyte

Total TPH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 01:21	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 01:21	1
C10-C28)									
Oll 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 Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		5.00		mg/Kg			09/21/22 02:46	1

RL

49.9

MDL Unit

mg/Kg

D

Prepared

Eurofins Carlsbad

Analyzed

09/19/22 11:13

Dil Fac

1

Released to Imaging: 2/3/2023 7:47:37 AM

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

5

Lab Sample ID: 890-2963-17

#### Client Sample ID: CS-9 (2') Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

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 BTE	X 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 (DR								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9		mg/Kg			09/19/22 11:13	1
Total TPH	<49.9	U			mg/Kg			09/19/22 11:13	1
-	<49.9	U			mg/Kg			09/19/22 11:13	1
Total TPH Method: 8015B NM - Diesel Ran	<49.9 ge Organics (D	U		MDL		D	Prepared	09/19/22 11:13 Analyzed	Dil Fac
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics	<49.9 ge Organics (D	U RO) (GC) Qualifier	49.9	MDL		D			
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (D) <u>Result</u> <a a="" display.com"="" display.com<="" href="https://www.example.com"></a>	U RO) (GC) Qualifier U	49.9 <b>RL</b> 49.9	MDL	Unit mg/Kg	D	Prepared 09/16/22 11:45	Analyzed 09/17/22 01:42	1
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 ge Organics (D Result	U RO) (GC) Qualifier U	49.9 	MDL	Unit	<u>D</u>	Prepared	Analyzed	1
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	c49.9 ge Organics (D) Result <49.9 <49.9	U RO) (GC) Qualifier U	49.9 <b>RL</b> 49.9 49.9	MDL	Unit mg/Kg mg/Kg	D	Prepared 09/16/22 11:45 09/16/22 11:45	Analyzed 09/17/22 01:42 09/17/22 01:42	1
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D) <u>Result</u> <a a="" display.com"="" display.com<="" href="https://www.example.com"></a>	U RO) (GC) Qualifier U	49.9 	MDL	Unit mg/Kg	<u>D</u>	Prepared 09/16/22 11:45	Analyzed 09/17/22 01:42	1 1
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	c49.9 ge Organics (D) Result <49.9 <49.9	U RO) (GC) Qualifier U	49.9 <b>RL</b> 49.9 49.9	MDL	Unit mg/Kg mg/Kg	D	Prepared 09/16/22 11:45 09/16/22 11:45	Analyzed 09/17/22 01:42 09/17/22 01:42	1 1 1
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	c49.9 ge Organics (D) Result <49.9 <49.9 <49.9 <49.9	U RO) (GC) Qualifier U U U	49.9 <b>RL</b> 49.9 49.9 49.9	MDL	Unit mg/Kg mg/Kg	D	Prepared 09/16/22 11:45 09/16/22 11:45 09/16/22 11:45	Analyzed 09/17/22 01:42 09/17/22 01:42 09/17/22 01:42	1 1 1 Dil Fac
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<ul> <li>&lt;49.9</li> <li>ge Organics (D)</li> <li>Result</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> </ul>	U RO) (GC) Qualifier U U U	49.9 <b>RL</b> 49.9 49.9 49.9 <b>Limits</b>	MDL	Unit mg/Kg mg/Kg	D	Prepared 09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 Prepared	Analyzed 09/17/22 01:42 09/17/22 01:42 09/17/22 01:42 Analyzed	Dil Fac
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<ul> <li>&lt;49.9</li> <li>ge Organics (D)</li> <li>Result</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;49.9</li> <li>&lt;99</li> <li>101</li> </ul>	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 <u>Limits</u> 70 - 130	MDL	Unit mg/Kg mg/Kg	D	Prepared 09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 Prepared 09/16/22 11:45	Analyzed 09/17/22 01:42 09/17/22 01:42 09/17/22 01:42 Analyzed 09/17/22 01:42	Dil Fac
Total TPH Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl	<49.9	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 <u>Limits</u> 70 - 130	MDL	Unit mg/Kg mg/Kg	D	Prepared 09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 Prepared 09/16/22 11:45	Analyzed 09/17/22 01:42 09/17/22 01:42 09/17/22 01:42 Analyzed 09/17/22 01:42	Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chr	<49.9	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 <b>Limits</b> 70 - 130 70 - 130		Unit mg/Kg mg/Kg		Prepared 09/16/22 11:45 09/16/22 11:45 09/16/22 11:45 Prepared 09/16/22 11:45 09/16/22 11:45	Analyzed 09/17/22 01:42 09/17/22 01:42 09/17/22 01:42 Analyzed 09/17/22 01:42 09/17/22 01:42	Dil Fac

Date Received: 09/14/22 15:30

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

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Released to Imaging: 2/3/2023 7:47:37 AM

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

5

Lab Sample ID: 890-2963-18

# Client Sample ID: CS-10 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

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 (DR	0) (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 Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:03	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:03	1
C10-C28)									
Oll 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 Chro	matography -	Soluble							
Analyte		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')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

#### Lab Sample ID: 890-2963-19 Matrix: Solid

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 (DR	0) (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 Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:25	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/17/22 02:25	1
C10-C28)									

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Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

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### Client Sample ID: CS-11 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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			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 Chro	omatography -	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 Sam	ple ID: 890-2	963-20
ate Collected: 09/14/22 12:00								Matri	x: Solid
ate Received: 09/14/22 15:30									

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

	aloulation								
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 C	rganics (DR	O) (GC)							
Analuto		Qualifier	DI	МПІ	Unit	п	Propared	Analyzod	Dil Eac

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
<b>—</b>									

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 02:46	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/16/22 11:45	09/17/22 02:46	1
C10-C28)									
Oll 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 Chro	omatography -	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

1 450

Lab Sample ID: 890-2963-19

# Released to Imaging: 2/3/2023 7:47:37 AM

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

5

# Client Sample ID: CS-13 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

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 (DR	O) (GC)							
						D	Durananad	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	U	Prepared	Analyzeu	DirFac
Analyte Total TPH	<b>Result</b> <49.9		RL	MDL	mg/Kg	<u></u>	Prepared	09/19/22 11:13	1
Total TPH	<49.9	U		MDL		<u>D</u>	Prepared		
Total TPH Method: 8015B NM - Diesel Range	<49.9 Organics (D	U		MDL MDL	mg/Kg	D	Prepared		1
Total TPH Method: 8015B NM - Diesel Range Analyte	<49.9 Organics (D	U RO) (GC) Qualifier	49.9		mg/Kg		<u>.</u>	09/19/22 11:13	1 Dil Fac
	<49.9 • Organics (D Result	U RO) (GC) Qualifier	49.9		mg/Kg Unit		Prepared	09/19/22 11:13 Analyzed	1
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 • Organics (D Result	U RO) (GC) Qualifier U	49.9		mg/Kg Unit		Prepared	09/19/22 11:13 Analyzed	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	<49.9 e Organics (D Result <49.9	U RO) (GC) Qualifier U	49.9 		mg/Kg Unit mg/Kg		Prepared 09/16/22 11:48	09/19/22 11:13 Analyzed 09/17/22 03:51	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 e Organics (D) Result <49.9 <49.9	U RO) (GC) Qualifier U	49.9 <b>RL</b> 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		<b>Prepared</b> 09/16/22 11:48 09/16/22 11:48	09/19/22 11:13 Analyzed 09/17/22 03:51 09/17/22 03:51	1 Dil Fac 1 1
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 • Organics (D) • Result <49.9 <49.9 <49.9 <49.9	U RO) (GC) Qualifier U U U	49.9 <b>RL</b> 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48	O9/19/22         11:13           Analyzed         09/17/22         03:51           09/17/22         03:51         09/17/22         03:51	1 Dil Fac 1 1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 • Organics (D) • Result <49.9 <49.9 <49.9 <49.9 %Recovery	U RO) (GC) Qualifier U U U	49.9 <b>RL</b> 49.9 49.9 49.9 <b>Limits</b>		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared	09/19/22 11:13 Analyzed 09/17/22 03:51 09/17/22 03:51 09/17/22 03:51 Analyzed	1 Dil Fac 1 1 1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 • Organics (D) • Result <49.9 <49.9 <49.9 <49.9 %Recovery 88 98	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 49.9 <u>Limits</u> 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared 09/16/22 11:48	O9/19/22 11:13           Analyzed           09/17/22 03:51           09/17/22 03:51           09/17/22 03:51           Analyzed           09/17/22 03:51	1 Dil Fac 1 1 1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chror	<49.9 • Organics (D) <u>Result</u> <49.9 <49.9 <49.9 <u>%Recovery</u> 88 98 matography -	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 49.9 <u>Limits</u> 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared 09/16/22 11:48	O9/19/22 11:13           Analyzed           09/17/22 03:51           09/17/22 03:51           09/17/22 03:51           Analyzed           09/17/22 03:51	1 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 • Organics (D) <u>Result</u> <49.9 <49.9 <49.9 <u>%Recovery</u> 88 98 matography -	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared 09/16/22 11:48 09/16/22 11:48	09/19/22 11:13 Analyzed 09/17/22 03:51 09/17/22 03:51 09/17/22 03:51 Analyzed 09/17/22 03:51 09/17/22 03:51	1 <b>Dil Fac</b> 1
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chror Analyte	<49.9 • Organics (D) • Result <49.9 <49.9 <49.9 <49.9 <88 98 98 matography - Result	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130 <b>RL</b>	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg Unit	<u>D</u>	Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared 09/16/22 11:48 09/16/22 11:48 Prepared	09/19/22 11:13 Analyzed 09/17/22 03:51 09/17/22 03:51 09/17/22 03:51 Analyzed Analyzed	Dil Fac

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	

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Lab Sample ID: 890-2963-21

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

5

Lab Sample ID: 890-2963-22

# Client Sample ID: CS-14 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

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 (DR	0) (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 Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/16/22 11:48	09/17/22 04:12	
(GRO)-C6-C10									
Diesel Range Organics (Over	121		50.0		mg/Kg		09/16/22 11:48	09/17/22 04:12	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:48	09/17/22 04:12	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
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 Chro	matography -	Soluble							
Analyte	• • • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride			4.99		mg/Kg			09/19/22 23:07	1

#### Client Sample ID: CS-15 (2')

Date Collected: 09/14/22 12:00

Lab Sample ID: 890-2963-23 Matrix: Solid

Date	Received:	09/14/22	15:30

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

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Job ID: 890-2963-1
SDG: 225968

Matrix: Solid

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Lab Sample ID: 890-2963-23

#### Client Sample ID: CS-15 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over	56.6		50.0		mg/Kg		09/16/22 11:48	09/17/22 04:34	1
C28-C36)									
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 Chro	omatography -	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 Sam	ple ID: 890-29	963-24
ate Collected: 09/14/22 12:00								•	x: Solid

#### Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

Total TPH

Method: 8021B - Volatile Orga	nic 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 Ca	Iculation								
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 Org	anics (DR	O) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

49.9

mg/Kg

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

75.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/16/22 11:48	09/17/22 04:56	1
(GRO)-C6-C10									
Diesel Range Organics (Over	75.5		49.9		mg/Kg		09/16/22 11:48	09/17/22 04:56	1
C10-C28)									
Oll 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 Chro	matography -	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

09/19/22 11:13

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

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# Client Sample ID: CS-17 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

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 (	Drganics (DR	0) (GC)							
					11	D	Descended	Analyzad	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	U	Prepared	Analyzed	DIFAC
-	<b>Result</b> <49.9		RL 49.9	MDL	mg/Kg		Prepared	09/19/22 11:13	1
Total TPH Method: 8015B NM - Diesel Range	<49.9 Organics (D	U RO) (GC)	49.9		mg/Kg		<u>.</u>	09/19/22 11:13	1
Total TPH Method: 8015B NM - Diesel Range Analyte	<49.9 Organics (D Result	U RO) (GC) Qualifier	49.9 	MDL	mg/Kg Unit	D	Prepared	09/19/22 11:13 Analyzed	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	<49.9 Organics (D	U RO) (GC) Qualifier	49.9		mg/Kg		<u>.</u>	09/19/22 11:13	1
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	<49.9 Organics (D Result	U RO) (GC) Qualifier U	49.9 		mg/Kg Unit		Prepared	09/19/22 11:13 Analyzed	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	<49.9 Organics (D Result <49.9	U RO) (GC) Qualifier U	49.9 		mg/Kg Unit mg/Kg		Prepared 09/16/22 11:48	09/19/22 11:13 Analyzed 09/17/22 05:17	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 Organics (D Result <49.9	U RO) (GC) Qualifier U	49.9 		mg/Kg Unit mg/Kg		Prepared 09/16/22 11:48	09/19/22 11:13 Analyzed 09/17/22 05:17	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 Organics (D Result <49.9 <49.9	U RO) (GC) Qualifier U	49.9 <b>RL</b> 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/16/22 11:48 09/16/22 11:48	09/19/22 11:13 Analyzed 09/17/22 05:17 09/17/22 05:17	1 Dil Fac 1 1
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 Organics (D) Result <49.9 <49.9 <49.9	U RO) (GC) Qualifier U U U	49.9 <b>RL</b> 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48	O9/19/22         11:13           Analyzed         09/17/22         05:17           09/17/22         05:17         09/17/22         05:17	Dil Fac 1 1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 Organics (D Result <49.9 <49.9 <49.9 <49.9 %Recovery	U RO) (GC) Qualifier U U U	49.9 <b>RL</b> 49.9 49.9 49.9 <b>Limits</b>		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared	09/19/22 11:13 Analyzed 09/17/22 05:17 09/17/22 05:17 09/17/22 05:17 Analyzed	1 Dil Fac 1 1 1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 Organics (D) Result <49.9 <49.9 <49.9 %Recovery 100 111	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 49.9 <u>Limits</u> 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared 09/16/22 11:48	O9/19/22 11:13           Analyzed           09/17/22 05:17           09/17/22 05:17           09/17/22 05:17           09/17/22 05:17           09/17/22 05:17	1 Dil Fac 1 1 1 Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chron	<49.9 Organics (D) Result <49.9 <49.9 <49.9 <49.9 %Recovery 100 111 natography -	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 49.9 <u>Limits</u> 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared 09/16/22 11:48	O9/19/22 11:13           Analyzed           09/17/22 05:17           09/17/22 05:17           09/17/22 05:17           09/17/22 05:17           09/17/22 05:17	1 Dil Fac 1 1 1 <i>Dil Fac</i> 1
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 Organics (D) Result <49.9 <49.9 <49.9 <49.9 %Recovery 100 111 natography -	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared 09/16/22 11:48 09/16/22 11:48	09/19/22 11:13 Analyzed 09/17/22 05:17 09/17/22 05:17 09/17/22 05:17 Analyzed 09/17/22 05:17 09/17/22 05:17	1 <b>Dil Fac</b> 1
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chron Analyte	<49.9 Organics (D) Result <49.9 <49.9 <49.9 <49.9 %Recovery 100 111 natography - Result	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130 <b>RL</b>	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg Unit	D	Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared 09/16/22 11:48 09/16/22 11:48 Prepared	09/19/22 11:13 Analyzed 09/17/22 05:17 09/17/22 05:17 09/17/22 05:17 Analyzed Analyzed	Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chron Analyte Chloride	<49.9 Organics (D) Result <49.9 <49.9 <49.9 <49.9 %Recovery 100 111 natography - Result	U RO) (GC) Qualifier U U Qualifier	49.9 <b>RL</b> 49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130 <b>RL</b>	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg Unit	D	Prepared 09/16/22 11:48 09/16/22 11:48 09/16/22 11:48 Prepared 09/16/22 11:48 09/16/22 11:48 Prepared	09/19/22 11:13 Analyzed 09/17/22 05:17 09/17/22 05:17 09/17/22 05:17 Analyzed 09/17/22 05:17 09/17/22 05:17 09/17/22 05:17 09/17/22 05:17 09/17/22 05:17 D9/17/22 05:17 09/17/22 05:17	Dil Fac

Method: 8021B - Volatile Orga	nic 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

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Lab Sample ID: 890-2963-25

Job ID: 890-2963-1 SDG: 225968

Matrix: Solid

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Lab Sample ID: 890-2963-26

### Client Sample ID: CS-18 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

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 (DR	0) (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 Rang	e Organics (DI	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/16/22 11:48	09/17/22 05:39	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/16/22 11:48	09/17/22 05:39	1
C10-C28)									
Oll 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
p-Terphenyl	98		70 - 130				09/16/22 11:48	09/17/22 05:39	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		4.95		mg/Kg			09/19/22 23:36	

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

#### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

-			
		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
890-2963-12	CS-5 (2")	102	98
890-2963-13		92	
	CS-6 (2')		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 880-35200/5-A	Method Blank		73
		101	
MB 880-35335/5-A	Method Blank	104	114

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Legend

5

6

Job ID: 890-2963-1 SDG: 225968

Prep Type: Total/NA

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

Prep Type: Total/NA

Project/Site: DWU Federal #1 Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Client: NT Global

				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(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		
390-2963-18	CS-10 (2')	103	106		
390-2963-19	CS-11 (2')	101	106		
890-2963-20	CS-12 (2')	102	105		
890-2963-21	CS-13 (2')	88	98		
390-2963-22	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		
390-2963-26	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+		
Surragata Lagand					

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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# **QC Sample Results**

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

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

Lab Sample ID: MB 880-35200/5-A Matrix: Solid Analysis Batch: 35326	мв	МВ					Client Sa	mple ID: Metho Prep Type: ٦ Prep Batch	Total/NA
Analyte		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
	МВ	МВ							
Surrogate	%Recovery	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						C	lient Sample I	D: Lab Control Prep Type: ٦ Prep Batch	Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

	LCS	LCS	
Surrogate	%Recovery	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							Prep	Batch:	35200
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	LCSD	LCSD	
Surrogate	%Recovery	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

Released to Imaging: 2/3/2023 7:47:37 AM

#### Analysis Batch: 35326

Analysis Batch: 35326									Prep	Batch: 35200
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

Eurofins Carlsbad

Job ID: 890-2963-1

SDG: 225968

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

Client Sample ID: Lab Control Sample Dup

13

Prep Batch: 35200

Prep Type: Total/NA

#### **QC Sample Results**

MS MS

0.06148 F1

0.1233 F1

0.05864 F1

0.1171 F1

0.05659 F1

**Result Qualifier** 

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.101

0.201

0.101

Limits

70 - 130

70 - 130

Spike

Added

0.0990

0.0990

0.0990 0.198

0.0990

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

Analysis Batch: 35326

4-Bromofluorobenzene (Surr)

Analysis Batch: 35326

Lab Sample ID: 890-2963-1 MSD

1,4-Difluorobenzene (Surr)

Matrix: Solid

Analyte

o-Xylene

Surrogate

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Lab Sample ID: 890-2963-1 MS

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

Sample Sample

<0.00201

%Recovery

<0.00402 UF1

<0.00201 UF1

116

79

Sample Sample

<0.00201 U

<0.00201 UF1

<0.00201 UF1

<0.00402 UF1

<0.00201 UF1

Result Qualifier

MS MS

**Result Qualifier** 

UF1

Qualifier

Job ID: 890-2963-1 SDG: 225968

**Client Sample ID: SW-1** 

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

61

61

58

D

Prep Type: Total/NA

Prep Batch: 35200

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

5

4

Prep Type: Total/NA

Prep Batch: 35203

35

35

1

lai/INA	ype. io	Flepi						
35200	Batch:	Prep						
RPD		%Rec				MSD	MSD	
Limit	RPD	Limits	%Rec	D	Unit	Qualifier	Result	
35	4	70 - 130	76		mg/Kg		0.07513	
35	3	70 - 130	65		mg/Kg	F1	0.06480	
35	5	70 - 130	59		mg/Kg	F1	0.05874	

59

57

09/22/22 16:10

70 - 130

70 - 130

**Client Sample ID: Method Blank** 

09/25/22 14:16

**Client Sample ID: Lab Control Sample** 

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)			70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

#### Lab Sample ID: MB 880-35203/5-A Matrix: Solid Analysis Batch: 35330

	мв	мв							
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 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
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				09/22/22 16:10	09/25/22 14:16	1

70 - 130

4-Bromofiuorobenzene (Surr)	101
1,4-Difluorobenzene (Surr)	73

#### Lab Sample ID: LCS 880-35203/1-A Matrix: Solid Analysis Batch: 35330

Spil	ke LCS	LCS			%Rec
Analyte Adde	d Result	Qualifier U	Jnit	D %Re	c Limits
Benzene 0.10	00 0.1005	m	ng/Kg	10	1 70 - 130
Toluene 0.10	0.09958	m	ng/Kg	10	0 70 - 130
Ethylbenzene 0.10	0.09332	m	ng/Kg	9	3 70 - 130
m-Xylene & p-Xylene 0.20	0 0.1892	rr	ng/Kg	9	5 70 - 130

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Prep Type: Total/NA Prep Batch: 35203

Lab Sample ID: LCS 880-35203/1-A

Client: NT Global

Matrix: Solid

Project/Site: DWU Federal #1

# **QC Sample Results**

**Client Sample ID: Lab Control Sample** 

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

Prep Type: Total/NA

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

Analysis Batch: 35330										Batch:	35203
			Spike		LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
o-Xylene			0.100	0.09187		mg/Kg		92	70 - 130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)		S1+	70 - 130								
1,4-Difluorobenzene (Surr)	82		70 - 130								
Lab Sample ID: LCSD 880-3	35203/2-A					Clie	nt Sam	ple ID:	Lab Contro	I Sample	e Dup
Matrix: Solid									Prep T	Type: Tot	tal/NA
Analysis Batch: 35330									Prep	Batch:	35203
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
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
,						5 5					
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130								
( )											
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-24	80 1 MS		70 - 130					Clie	ent Sample Prep T	ID: CS-	
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2' Matrix: Solid	1 MS							Clie	Prep T Prep		tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330	1 MS Sample	Sample	Spike	MS	MS	Unit	P		Prep T Prep %Rec	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-24 Matrix: Solid Analysis Batch: 35330 Analyte	1 MS Sample	Qualifier	Spike Added	Result	Qualifier	Unit	<u>D</u>	%Rec	Prep 1 Prep %Rec Limits	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-24 Matrix: Solid Analysis Batch: 35330 Analyte Benzene	1 MS Sample <u>Result</u> <0.00201	Qualifier U F1	Spike Added 0.100	<b>Result</b> 0.06532	Qualifier F1	mg/Kg	<u>D</u>	%Rec 65	Prep 1 Prep %Rec Limits 70 - 130	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-24 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene	1 MS Sample 	Qualifier U F1 U F1	<b>Spike</b> Added 0.100 0.100	<b>Result</b> 0.06532 0.06291	Qualifier F1 F1	mg/Kg mg/Kg	D	%Rec 65 63	Prep T Prep %Rec Limits 70 - 130 70 - 130	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene	1 MS Sample Result <0.00201 <0.00201 <0.00201	Qualifier U F1 U F1 U F1 U F1	Spike Added 0.100 0.100 0.100	Result           0.06532           0.06291           0.06368	Qualifier F1 F1 F1	mg/Kg mg/Kg mg/Kg	D	%Rec 65 63 64	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402	Qualifier U F1 U F1 U F1 U F1 U F1	Spike Added 0.100 0.100 0.100 0.200	Result           0.06532           0.06291           0.06368           0.1300	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 65 63 64 65	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene	1 MS Sample Result <0.00201 <0.00201 <0.00201	Qualifier U F1 U F1 U F1 U F1 U F1	Spike Added 0.100 0.100 0.100	Result           0.06532           0.06291           0.06368	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 65 63 64	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402	<b>Qualifier</b> U F1 U F1 U F1 U F1 U F1 U F1	Spike Added 0.100 0.100 0.100 0.200	Result           0.06532           0.06291           0.06368           0.1300	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 65 63 64 65	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201 MS	Qualifier UF1 UF1 UF1 UF1 UF1 UF1 MS	Spike Added 0.100 0.100 0.100 0.200	Result           0.06532           0.06291           0.06368           0.1300	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	D	%Rec 65 63 64 65	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201	Qualifier UF1 UF1 UF1 UF1 UF1 UF1 MS	Spike           Added           0.100           0.100           0.100           0.200           0.100	Result           0.06532           0.06291           0.06368           0.1300	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 65 63 64 65	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201 MS %Recovery	Qualifier UF1 UF1 UF1 UF1 UF1 UF1 MS	Spike           Added           0.100           0.100           0.100           0.100           0.200           0.100           Limits	Result           0.06532           0.06291           0.06368           0.1300	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 65 63 64 65	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Type: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201 MS %Recovery 121 75	Qualifier UF1 UF1 UF1 UF1 UF1 UF1 MS	Spike           Added           0.100           0.100           0.100           0.100           0.100           0.100           0.200           0.100           Limits           70 - 130	Result           0.06532           0.06291           0.06368           0.1300	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec 65 63 64 65 64	Prep T           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Type: Tof Batch: :	tal/NA 35203
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201 MS %Recovery 121 75	Qualifier UF1 UF1 UF1 UF1 UF1 UF1 MS	Spike           Added           0.100           0.100           0.100           0.100           0.100           0.100           0.200           0.100           Limits           70 - 130	Result           0.06532           0.06291           0.06368           0.1300	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 65 63 64 65 64	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ID: CS-	tal/NA 35203
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201 MS %Recovery 121 75	Qualifier UF1 UF1 UF1 UF1 UF1 UF1 MS	Spike           Added           0.100           0.100           0.100           0.100           0.100           0.100           0.200           0.100           Limits           70 - 130	Result           0.06532           0.06291           0.06368           0.1300	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	D	%Rec 65 63 64 65 64	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Type: Tof Batch: :	tal/NA 35203
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201 MS %Recovery 121 75	Qualifier UF1 UF1 UF1 UF1 UF1 UF1 MS	Spike           Added           0.100           0.100           0.100           0.100           0.100           0.100           0.200           0.100           Limits           70 - 130	Result           0.06532           0.06291           0.06368           0.1300	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	D	%Rec 65 63 64 65 64	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ID: CS-	tal/NA 35203 13 (2') tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid	1 MS Sample Result <0.00201 <0.00201 <0.00402 <0.00201 MS %Recovery 121 75	Qualifier UF1 UF1 UF1 UF1 UF1 UF1 MS	Spike           Added           0.100           0.100           0.100           0.100           0.100           0.100           0.200           0.100           Limits           70 - 130	Result           0.06532           0.06291           0.06380           0.1300           0.06380	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 65 63 64 65 64	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ID: CS-	tal/NA 35203 13 (2') tal/NA 35203
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid	1 MS Sample Result <ul> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li><i>MS</i></li> <li><i>%Recovery</i></li> <li><i>11</i> MSD</li> </ul> Sample <ul> <li>Result</li> </ul>	Qualifier U F1 U F1 U F1 U F1 U F1 MS Qualifier Sample Qualifier	Spike           Added           0.100           0.100           0.100           0.100           0.200           0.100           0.200           0.100           Description           Description           Description           Description           Description           Description           Description           Description           Spike           Added	Result           0.06532           0.06291           0.06380           0.1300           0.06380	Qualifier F1 F1 F1 F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	D	%Rec 65 63 64 65 64	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ID: CS- Type: Tot Batch:	tal/NA 35203 13 (2') tal/NA 35203 RPD
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2' Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2' Matrix: Solid Analysis Batch: 35330	1 MS Sample Result <0.00201 <0.00201 <0.00201 <0.00402 <0.00201 MS %Recovery 121 75 1 MSD Sample	Qualifier U F1 U F1 U F1 U F1 U F1 MS Qualifier Sample Qualifier	Spike           Added           0.100           0.100           0.100           0.100           0.200           0.100           0.200           0.100           0.200           0.100           0.200           0.100           Description           Description           0.100           Limits           70 - 130           70 - 130           Spike	Result           0.06532           0.06291           0.06380           0.1300           0.06380	Qualifier F1 F1 F1 F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg		%Rec 65 64 65 64 Clie	Prep T Prep %Rec Limits 70 - 130 70 - 190 70 - 190	ID: CS- batch: 1	tal/NA 35203 13 (2') tal/NA 35203 RPD Limit
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2' Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2' Matrix: Solid Analysis Batch: 35330 Analyte	1 MS Sample Result <ul> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li><i>MS</i></li> <li><i>%Recovery</i></li> <li><i>11</i> MSD</li> </ul> Sample <ul> <li>Result</li> </ul>	Qualifier U F1 U F1 U F1 U F1 MS Qualifier Qualifier U F1	Spike           Added           0.100           0.100           0.100           0.100           0.200           0.100           0.200           0.100           Description           Description           Description           Description           Description           Description           Description           Description           Spike           Added	Result           0.06532           0.06291           0.06380           0.1300           0.06380	Qualifier F1 F1 F1 F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg		%Rec 65 64 65 64 Clie	Prep T Prep %Rec Limits 70 - 130 70 - 190 70 - 130 70 - 170 70 - 170	ID: CS- Type: Tot Batch:	tal/NA 35203 13 (2') tal/NA 35203 RPD Limit 35
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene	1 MS Sample Result <ul> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li><i>MS</i></li> <li><i>%Recovery</i></li> <li><i>121</i></li> <li><i>75</i></li> </ul> 1 MSD Sample   Result   <0.00201	Qualifier U F1 U F1 U F1 U F1 MS Qualifier U F1 U F1 U F1 U F1	Spike           Added           0.100           0.100           0.100           0.100           0.200           0.100           0.200           0.100           0.200           0.100           0.200           0.100           D.100           D.100           D.100           D.100           D.0990	Result           0.06532           0.06291           0.06380           0.1300           0.06380	Qualifier F1 F1 F1 F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg <b>Unit</b> mg/Kg		%Rec 65 64 65 64 Clic %Rec 84	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Limits 70 - 130	ID: CS- Type: Tot Batch: 3 Type: Tot Batch: 3 RPD 24	tal/NA 35203 13 (2') tal/NA 35203 RPD Limit 35 35
1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-2963-2 Matrix: Solid Analysis Batch: 35330 Analyte Benzene Toluene	1 MS Sample Result <ul> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00201</li> <li>&lt;0.00402</li> <li>&lt;0.00201</li> </ul> <li><i>MS</i> <ul> <li><i>%Recovery</i></li> <li><i>11</i></li> </ul> </li> <li>Sample <ul> <li>Result</li> <li>&lt;0.00201</li> </ul> </li>	Qualifier U F1 U F1 U F1 U F1 U F1 MS Qualifier U F1 U F1 U F1 U F1	Spike           Added           0.100           0.100           0.100           0.100           0.100           0.100           0.200           0.100           0.200           0.100           0.200           0.100           Limits           70 - 130           70 - 130           Spike           Added           0.0990           0.0990	Result           0.06532           0.06291           0.06380           0.1300           0.06380           MSD           Result           0.08294           0.08039	Qualifier F1 F1 F1 F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		%Rec 65 64 65 64 Clic %Rec 84 81	Prep T Prep 7 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Limits 70 - 130 70 - 130	ID: CS- Type: Tot Batch: 3 Type: Tot Batch: 3 RPD 24 24	tal/NA 35203 13 (2') tal/NA

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# **QC Sample Results**

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

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

# Lab Sample ID: 890-2963-21 MSD Matrix: Solid

# Analysis Batch: 35330

	MSD	MSD	
Surrogate	%Recovery	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

· · · · · · · · · · · · · · · · · · ·									
	MB	МВ							
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 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
	MB	МВ							
Surrogate	%Recovery	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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	
	LCS LCS							

	LCS	LUS	
Surrogate	%Recovery	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: La	b Contro	ol San	nple Dup
		Prep	Type:	Total/NA

Analysis Batch: 35348									Prep	Batch:	35335
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								

4-Bromofluorobe	nzene (Surr)	82	70 - 130

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Job ID: 890-2963-1

SDG: 225968

#### Client Sample ID: CS-13 (2') Prep Type: Total/NA Prep Batch: 35203

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35335

#### Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 35335

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# **QC Sample Results**

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

#### Method: 8021

Method: 8021B - Volatile	Organic Cor	mpounds	(GC) (Cont	inued)								
Lab Sample ID: LCSD 880-35	5335/2-A					Clier	ıt Sarr	iple ID: I	Lab Contro			
Matrix: Solid										Type: Tot		
Analysis Batch: 35348									Prep	Batch: 3	35335	
	LCSD	LCSD										5
Surrogate			Limits									
1,4-Difluorobenzene (Surr)	<u></u>		70 - 130									
_											ſ	-
Lab Sample ID: 890-2953-A-5	53-D MS							Client	Sample ID:			7
Matrix: Solid										Type: Tot		
Analysis Batch: 35348										Batch: 3	35335	8
	•	Sample	Spike		MS				%Rec			
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits			9
Benzene	<0.00198		0.0998	0.09826		mg/Kg		98	70 - 130			
Toluene	<0.00198		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			
	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	87		70 - 130									
1,4-Difluorobenzene (Surr)	109		70 _ 130									
_ Lab Sample ID: 890-2953-A-5	53-E MSD					Cli	ient Sr	ample IC	): Matrix Sp	vike Dup	licate	
Matrix: Solid							0111 01			Type: Tot		
									1			
									Prep	Batch: :		
Analysis Batch: 35348	Sample	Sample	Spike	MSD	MSD				Prep %Rec	Batch: 3	RPD	
Analysis Batch: 35348	•	Sample Qualifier	Spike Added		MSD Qualifier	Unit	D	%Rec		Batch: 3		
	Result	Qualifier	-			Unit mg/Kg	_ <u>D</u>	<b>%Rec</b>	%Rec		RPD	
Analysis Batch: 35348	Result	Qualifier	Added	Result		mg/Kg	D		%Rec Limits	RPD	RPD Limit	
Analysis Batch: 35348 Analyte Benzene	Result <0.00198 <0.00198	Qualifier U U	Added	<b>Result</b> 0.1007			D	100	%Rec Limits 70 - 130	<b>RPD</b> 2	RPD Limit 35	
Analysis Batch: 35348 Analyte Benzene Toluene	Result           <0.00198	Qualifier U U U	Added	<b>Result</b> 0.1007 0.08148		mg/Kg mg/Kg	<u> </u>	100 80	%Rec Limits 70 - 130 70 - 130	<b>RPD</b> 2 6	<b>RPD</b> Limit 35 35	
Analysis Batch: 35348 Analyte Benzene Toluene Ethylbenzene	Result           <0.00198	Qualifier U U U U	Added 0.101 0.101 0.101	Result           0.1007           0.08148           0.07809		mg/Kg mg/Kg mg/Kg	<u>D</u>	100 80 77	%Rec Limits 70 - 130 70 - 130 70 - 130	<b>RPD</b> 2 6 5	<b>RPD</b> Limit 35 35 35	
Analysis Batch: 35348 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result           <0.00198	Qualifier U U U U U	Added 0.101 0.101 0.101 0.202	Result           0.1007           0.08148           0.07809           0.1613		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	100 80 77 79	%Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	<b>RPD</b> 2 6 5 6	<b>RPD</b> Limit 35 35 35 35	
Analysis Batch: 35348 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Result           <0.00198	Qualifier U U U U U MSD	Added 0.101 0.101 0.101 0.202	Result           0.1007           0.08148           0.07809           0.1613		mg/Kg mg/Kg mg/Kg mg/Kg	D	100 80 77 79	%Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	<b>RPD</b> 2 6 5 6	<b>RPD</b> Limit 35 35 35 35	
Analysis Batch: 35348 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result           <0.00198	Qualifier U U U U U MSD	Added 0.101 0.101 0.101 0.202 0.101	Result           0.1007           0.08148           0.07809           0.1613		mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	100 80 77 79	%Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	<b>RPD</b> 2 6 5 6	<b>RPD</b> Limit 35 35 35 35	

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

Lab Sample ID: MB 880-34674/1- Matrix: Solid Analysis Batch: 34626	Α						Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	fotal/NA
	MB	МВ							
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 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
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/22 11:45	09/16/22 17:48	1
	МВ	МВ							
Surrogate	%Recovery	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

Job ID: 890-2963-1

SDG: 225968

Lab Sample ID: LCS 880-34674/2-A

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

# **QC Sample Results**

Matrix: Solid

Limit

20

20

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				MSD	
Result	Qualifier	Added	Result	Qualifier	Unit
<49.9	U	999	854.6		mg/Kg
97.4		999	1050		mg/Kg
MSD	MSD				
%Recovery	Qualifier	Limits			
	S1+	70 - 130			
	97.4 MSD %Recovery		97.4 999 MSD MSD %Recovery Qualifier Limits	97.4 999 1050 MSD MSD %Recovery Qualifier Limits	97.4 999 1050 MSD MSD %Recovery Qualifier Limits

Matrix. Solid									Fieh	Type. To	
Analysis Batch: 34626									Prep	Batch:	34674
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics			1000	1069		mg/Kg		107	70 - 130		
GRO)-C6-C10											
Diesel Range Organics (Over			1000	1000		mg/Kg		100	70 - 130		
C10-C28)											
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
-Chlorooctane	119		70 - 130								
-Terphenyl	111		70 - 130								
ab Sample ID: LCSD 880-34674	4/3-A					Clier	nt San	nple ID:	Lab Contro	Samp	le Dup
Aatrix: Solid										Туре: То	
Analysis Batch: 34626										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
nalyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	1133		mg/Kg		113	70 - 130	6	20
GRO)-C6-C10			1000						10-100	Ŭ	
liesel Range Organics (Over			1000	1008		mg/Kg		101	70 - 130	1	20
10-C28)											
	1.000	1000									
		LCSD									
Surrogate	%Recovery	Qualifier	Limits								
-Chlorooctane	119		70 - 130								
-Terphenyl	112		70 - 130								
ab Sample ID: 890-2963-1 MS									Client Se		
Aatrix: Solid									Client Sa		
										Type: To	
Analysis Batch: 34626	Comula	Commis	Califo	ме	MC					Batch:	340/4
	-	Sample	Spike		MS	1114	_	0/ <b>D</b>	%Rec		
nalyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
asoline Range Organics GRO)-C6-C10	<49.9	U	996	776.9		mg/Kg		76	70 - 130		
liesel Range Organics (Over	97.4		996	894.0		mg/Kg		80	70 - 130		
C10-C28)	57.4		550	004.0		mg/rtg		00	70 - 100		
10 020)											
	MS	MS									
urrogate	%Recovery	Qualifier	Limits								
-Chlorooctane	97		70 - 130								
p-Terphenyl	95		70 - 130								
ab Sample ID: 890-2963-1 MSD	)								Client Sa		
Aatrix: Solid									Prep 1	Туре: То	tal/NA
Analysis Batch: 34626									Prep	Batch:	34674
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
A	D 14	0	ام ما ما م	D 14	0	11		0/ <b>D</b>			1

SDG: 225968

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

RPD

10

16

%Rec

83

95

Limits

70 - 130

70 - 130

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														nple ID: ype: To Batch:	tal/N/
Analysis Datch. 54020													Tich	Daten.	5407.
	MSD	MSD													
	%Recovery	Qualifi	er	Limits	-										
o-Terphenyl	110			70 - 130											
Nethod: 300.0 - Anions, Ion (	Chromat	ograp	ohy												
Lab Sample ID: MB 880-34662/1-/ Matrix: Solid	4										C	Client S	Sample ID: Prep	Method Type: So	
Analysis Batch: 34856															
		MB M	IB												
Analyte	R	esult Q	ualifier		RL		MDL	Unit		D	Pre	epared	Analyz	ed	Dil Fa
Chloride		<5.00 U			5.00			mg/Kg					09/19/22	22:33	
Lab Sample ID: LCS 880-34662/2	-A									Clie	nt	Sample	D: Lab C		
Matrix: Solid													Prep	Type: So	olubl
Analysis Batch: 34856															
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qua	lifier	Unit	[	D	%Rec	Limits		
Chloride				250		250.7			mg/Kg			100	90 - 110		
Lab Sample ID: LCSD 880-34662/ Matrix: Solid	3-A								Cli	ent Sa	amp	ole ID: I	Lab Contro Prep	l Sampl Type: Se	
Analysis Batch: 34856															
				Spike		LCSD	LCS	D					%Rec		RP
Analyte				Added		Result	Qua	lifier	Unit		<u> </u>	%Rec	Limits	RPD	Lim
Chloride				250		253.0			mg/Kg			101	90 - 110	1	2
Lab Sample ID: 890-2963-20 MS												Clie	ent Sample	ID: CS-	12 (2
Matrix: Solid														Type: So	
Analysis Batch: 34856															
	Sample	Sample	e	Spike		MS	MS						%Rec		
Analyte	Result	Qualifie	er	Added		Result	Qua	lifier	Unit	[	D	%Rec	Limits		
Chloride	17.4			253		261.3			mg/Kg			97	90 - 110		
Lab Sample ID: 890-2963-20 MSD	)											Clie	ent Sample	ID: CS-	12 (2
Matrix: Solid														Type: So	
Analysis Batch: 34856															
-	Sample	Sample	e	Spike		MSD	MSD	)					%Rec		RP
Analyte	Result	Qualifie	er	Added		Result	Qua	lifier	Unit	[	D	%Rec	Limits	RPD	Lim
Chloride	17.4			253		261.5			mg/Kg			97	90 - 110	0	2
											C	Client S	Sample ID:	Method	Blan
Lab Sample ID: MB 880-34664/1-/	4														
Matrix: Solid	4												Prep	Type: So	olubl
Matrix: Solid	4		ID										Prep	Type: So	olubl
Lab Sample ID: MB 880-34664/1-/ Matrix: Solid Analysis Batch: 34951 Analyte		MB M esult Q			RL		MC	Unit		D	P	epared	Prep Analyz		olubl Dil Fa

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-/	4						Client	Sample	e ID: Lab Co	ontrol Sa	ample
Matrix: Solid										Type: So	
Analysis Batch: 34951										.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
· · · · · · · · · · · · · · · · · · ·			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	250.3		mg/Kg		100	90 - 110		
Lab Sample ID: LCSD 880-34664/3	- <b>A</b>					Clie	nt Sam	ple ID:	Lab Contro	I Sample	e Dup
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 34951											
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	251.3		mg/Kg		101	90 - 110	0	20
Lab Sample ID: 890-2963-1 MS									Client Sa	nple ID:	SW-1
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 34951											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	271		249	508.0		mg/Kg		95	90 - 110		
Lab Sample ID: 890-2963-1 MSD									Client Sa	nple ID:	SW-1
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 34951											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	271		249	508.6		mg/Kg		95	90 - 110	0	20
Lab Sample ID: 890-2963-11 MS								CI	lient Sampl	e ID: CS	-3 (2')
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 34951											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	190		253	446.2		mg/Kg		102	90 - 110		
Lab Sample ID: 890-2963-11 MSD								CI	lient Sampl	e ID: CS	-3 (2')
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 34951											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	190		253	446.3		mg/Kg		102	90 - 110	0	20

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Client: NT Global Project/Site: DWU Federal #1 Job ID: 890-2963-1 SDG: 225968

# GC VOA

# Prep Batch: 35200

rep Batch: 35200					
ab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
90-2963-1	SW-1	Total/NA	Solid	5035	
390-2963-2	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	
390-2963-7	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	
390-2963-10	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	Ргер Туре	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

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

# 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

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	

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

# GC VOA (Continued)

# Analysis Batch: 35447 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	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	
390-2963-17	CS-9 (2')	Total/NA	Solid	Total BTEX	
390-2963-18	CS-10 (2')	Total/NA	Solid	Total BTEX	
390-2963-19	CS-11 (2')	Total/NA	Solid	Total BTEX	
390-2963-20	CS-12 (2')	Total/NA	Solid	Total BTEX	
390-2963-21	CS-13 (2')	Total/NA	Solid	Total BTEX	
390-2963-22	CS-14 (2')	Total/NA	Solid	Total BTEX	
390-2963-23	CS-15 (2')	Total/NA	Solid	Total BTEX	
390-2963-24	CS-16 (2')	Total/NA	Solid	Total BTEX	
390-2963-25	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	Ргер Туре	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

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

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

# 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	Ргер Туре	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	8
890-2963-23	CS-15 (2')	Total/NA	Solid	8015B NM	34675	
890-2963-24	CS-16 (2')	Total/NA	Solid	8015B NM	34675	۲ç
890-2963-25	CS-17 (2')	Total/NA	Solid	8015B NM	34675	
890-2963-26	CS-18 (2')	Total/NA	Solid	8015B NM	34675	
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
· · · · · ·	i				Prep Batch	
890-2963-1	SW-1	Total/NA	Solid	8015NM Prep		
390-2963-2	SW-2	Total/NA	Solid	8015NM Prep		
390-2963-3	014/ 0	Total/NA	Solid	8015NM Prep		
	SW-3	TOLAI/INA	30110	0010101011160		
390-2963-4	SW-3 SW-4	Total/NA	Solid	8015NM Prep		
890-2963-4 890-2963-5						1

# Prep Batch: 34674

Lab Sample ID	Client Sample ID	Ргер Туре	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	Ргер Туре	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	

Job ID: 890-2963-1

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

# 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	

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Job ID: 890-2963-1

SDG: 225968

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

# 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	5
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	8
890-2963-14	CS-6 (2')	Soluble	Solid	DI Leach	_
890-2963-15	CS-7 (2')	Soluble	Solid	DI Leach	9
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	4
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	Ргер Туре	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	Ргер Туре	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

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Job ID: 890-2963-1 SDG: 225968

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

# 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

**Released to Imaging: 2/3/2023 7:47:37 AM** 

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Job ID: 890-2963-1 SDG: 225968

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

# Lab Sample ID: 890-2963-1 Matrix: Solid

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

**Client Sample ID: SW-1** 

Client: NT Global

Batch Prep Type Type	Batch		Dil	Initial	Final	Batch	Prepared			
	Method	Run Facto	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 00:54	СН	EET MID

# **Client Sample ID: SW-2**

# Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:09	СН	EET MID

# **Client Sample ID: SW-3**

# Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:13	СН	EET MID

#### **Client Sample ID: SW-4** Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

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Matrix: Solid

#### Lab Sample ID: 890-2963-2 Matrix: Solid

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Lab Sample ID: 890-2963-3

Lab Sample ID: 890-2963-4

#### Matrix: Solid

Released to Imaging: 2/3/2023 7:47:37 AM

# Lab Chronicle

Job ID: 890-2963-1 SDG: 225968

## Lab Sample ID: 890-2963-4 Matrix: Solid

Lab Sample ID: 890-2963-5

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

**Client Sample ID: SW-4** 

Client: NT Global

Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:18	CH	EET MID

#### Client Sample ID: SW-5 Date Collected: 09/14/22 12:00

# Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:23	CH	EET MID

#### **Client Sample ID: SW-6**

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.99 g 5 mL 35200 09/22/22 15:51 MR EET MID Total/NA 8021B 5 mL 5 mL 35326 09/24/22 18:06 MR EET MID Analysis 1 Total/NA Total BTEX Analysis 1 35447 09/26/22 16:44 SM EET MID Total/NA Analysis 8015 NM 34822 09/19/22 11:13 SM EET MID 1 34674 09/16/22 11:45 Total/NA Prep 8015NM Prep 10.01 g 10 mL DM EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 34626 09/16/22 21:23 SM EET MID 1 Soluble Leach DI Leach 5.02 g 50 mL 34664 09/16/22 10:40 СН EET MID Soluble Analysis 300.0 34951 09/21/22 01:38 СН EET MID 1

# Client Sample ID: SW-7

#### Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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 Sample ID: 890-2963-6

Matrix: Solid

Matrix: Solid

Lab	Sample	ID:	890-2963-7
			Matrix: Solid

# Lab Chronicle

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

# Lab Sample ID: 890-2963-7 Matrix: Solid

Lab Sample ID: 890-2963-8

Lab Sample ID: 890-2963-9

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client Sample ID: SW-7

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	34664	09/16/22 10:40	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:43	СН	EET MID

#### **Client Sample ID: SW-8**

#### Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:47	СН	EET MID

#### Client Sample ID: CS-1 (2') Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:52	СН	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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 01:57	CH	EET MID

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Matrix: Solid

Matrix: Solid

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Job ID: 890-2963-1 SDG: 225968

# Lab Sample ID: 890-2963-11 Matrix: Solid

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Client Sample ID: CS-3 (2')

Project/Site: DWU Federal #1

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:02	СН	EET MID

# Lab Sample ID: 890-2963-12

Lab Sample ID: 890-2963-13

Lab Sample ID: 890-2963-14

Matrix: Solid

Matrix: Solid

# Client Sample ID: CS-4 (2') Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:17	СН	EET MID

#### Client Sample ID: CS-5 (2") Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:21	СН	EET MID

# Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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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# Client Sample ID: CS-6 (2') Date Collected: 09/14/22 12:00

Released to Imaging: 2/3/2023 7:47:37 AM

Matrix: Solid

# Lab Chronicle

Job ID: 890-2963-1 SDG: 225968

# Lab Sample ID: 890-2963-14 Matrix: Solid

Lab Sample ID: 890-2963-15

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client Sample ID: CS-6 (2')

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:36	CH	EET MID

#### Client Sample ID: CS-7 (2') Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:41	СН	EET MID

# Client Sample ID: CS-8 (2')

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:46	CH	EET MID

# Client Sample ID: CS-9 (2')

#### Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-2963-16

Lab Sample ID: 890-2963-17

Matrix: Solid

Matrix: Solid

# Lab Chronicle

Job ID: 890-2963-1 SDG: 225968

Lab Sample ID: 890-2963-17

Lab Sample ID: 890-2963-18

Lab Sample ID: 890-2963-19

#### Client Sample ID: CS-9 (2') Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	34664	09/16/22 10:40	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:50	СН	EET MID

#### Client Sample ID: CS-10 (2') Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 02:55	СН	EET MID

#### Client Sample ID: CS-11 (2') Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34951	09/21/22 03:00	СН	EET MID

#### Client Sample ID: CS-12 (2') Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Lab Sample ID: 890-2963-20 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 22:48	CH	EET MID

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Matrix: Solid

Matrix: Solid

Matrix: Solid

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Job ID: 890-2963-1 SDG: 225968

Lab Sample ID: 890-2963-21

# Client Sample ID: CS-13 (2') Date Collected: 09/14/22 12:00

Date Received: 09/14/22 15:30

Project/Site: DWU Federal #1

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:02	СН	EET MID

# Lab Sample ID: 890-2963-22

Lab Sample ID: 890-2963-23

Lab Sample ID: 890-2963-24

Matrix: Solid

Matrix: Solid

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Client Sample ID: CS-14 (2')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:07	СН	EET MID

#### Client Sample ID: CS-15 (2') Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:12	СН	EET MID

#### Client Sample ID: CS-16 (2') Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

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Matrix: Solid

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Released to Imaging: 2/3/2023 7:47:37 AM

Matrix: Solid

Job ID: 890-2963-1 SDG: 225968

# Lab Sample ID: 890-2963-24 Matrix: Solid

Lab Sample ID: 890-2963-25

Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

Client Sample ID: CS-16 (2')

Project/Site: DWU Federal #1

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:17	СН	EET MID

#### Client Sample ID: CS-17 (2') Date Collected: 09/14/22 12:00 Date Received: 09/14/22 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		5			34856	09/19/22 23:31	СН	EET MID

# 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

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1			34856	09/19/22 23:36	СН	EET MID

#### Laboratory References:

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

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-30 120 07 100

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Client: NT Global Project/Site: DWU Fed	eral #1			Job ID: 890-2963-1 SDG: 225968	
Laboratory: Eurofi		ere covered under each acc	reditation/certification below.		
Authority	P	rogram	Identification Number	Expiration Date	
Texas		ELAP	T104704400-22-24 ied by the governing authority. This list ma	06-30-23	5
the agency does not of			led by the governing autionty. This list ha	ay include analytes for which	6
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					13

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# **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
SW846 =	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E = TestAmerica Laboratories, Standard Operating Procedure	•	
EET MID	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

#### Protocol References:

#### Laboratory References:

Eurofins Carlsbad

# Sample Summary

Client: NT Global Project/Site: DWU Federal #1 1 2

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

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Ethan Sessums NTG Environmental 402 E Wood Ave Carlsbad, NM 88220 254-266-5456 DWU Federal #1 225968		3ill to: (if different) Company Name: Address: City, State ZIP: Arround Rush	Pres. Code			Colga	ANALYSIS REQUEST
oderal #1 968	Routine	Around Rush	Pres. Code				
Eddy Co. NM Jordan Tyner	Due Date: TAT starts the da	ay received by the			MRO)		
Temp Blank: Yes /	5	Yes the	eters		-		_
			aram	-			
Correct Correct	ometer ID:	10.0	1	-			
	ometer ID:	2.50	Pi		-		
Date Time	Thermometer ID: Correction Factor: Temperature Reading: Corrected Temperature:	27.2	P:				
9/14/2022	il ature:	27.3 Vater Grab	C # Pa				0
9/14/2022	il ature:						8
9/14/2022	ature:						8
9/14/2022	ature:						890
9/14/2022	ature:						8
9/14/2022	ature:						8
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1702171	ature:						
9/14/2022	ature:						
9/14/2022 9/14/2022 9/14/2022	ature:				┝─┼┼┼╶┾╌┝╴┼╶┼╶┼╴╴╴╸		
9/14/2022 9/14/2022 9/14/2022 9/14/2022	ature:				│ <del>──┤─┤┥┤╶┟╸┥╾┤╶╎╶┟╶╽╶╸╸╸╸</del>		
114/2022 114/2022 114/2022	ature:						
117/2022 114/2022 114/2022 114/2022 114/2022 114/2022 114/2022	Received Intact:       Cos       No       Thermoneter ID:       The Correction Factor:       Correction Factor:       Correction Factor:       Correction Factor:       Correction Factor:       Parati         Sample Custody Seals:       Yes       No       Temperature Reading:       Corrected Temperature:       Eastorted:       Corrected Temperature:       Eastor	Water Grab/ Water Comp Comp Comp Comp Comp Comp Comp Comp	d to Xenco, L	x     x     x     x     x     x     BTEX 80       but noting     x     x     x     x     x     BTEX 80	alyzad. TPH 8015M	ese terms	
114/2022 114/2022 114/2022 114/2022 114/2022 Reconstruction ment of samples con- ment of samples con- samples and shall in lied to each project	Received Intact:       The momenter ID:       The operature Reading:       The reading:       Recond Reading:       Reconcel Reading:       <	e	o ompany to X	Date/Time	ne x x x x x x x x x x x TPH 8015M	and If subcon	890-2963 Chain of Custor 890-2963 Chain of Cus
	Yes	Yes (No)	Bill to: (If diff       Company N       Address:       City, State       Email:       Turn Around       Oue Date:       TAT starts the day received       It received by 4:30p       Ves No       Wet Ice:       Yes No	Bill to: (if different)       Company Name:       Address:       Email:       Turn Around       I Routine       Rush       Due Date:       TAT starts the day received by the lab, if received by 4:30pm       Ves Mo       Wet Ice:	Bill to: (if different)       Bill to: (if different)       Company Name:       Address:       City, State ZIP:       Email:       Turn Around       Jene Date:       TAT starts the day received by the lab, if received by 4:30pm       Ib:       Yes       Wet Ice:       Yes       Correction Factor:	Bill to: (if different)       Company Name:       Address:       Email:       Turn Around       Pres.       Due Date:       TAT starts the day received by the lab, if received by 4:30pm       Ves No.       Wet Ice:       Yes No.       Parameters	Bill to: (if different)       Company Name:       Address:       Address:       City, State ZIP:       Email:       Turn Around       Tat starts the day received by the       Iab, if received by 4:30pm       Ves (Mo)       Wet Ice:       Yes (Mo)



5 6

# Chain of Custody

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ENVIRONMENTAL	IENTAL					Page 2	of Э
Project Manager: Ethan Sessums	sums		Bill to: (if different)			Work Order Comments	
	NTG Environmental		Company Name:		Colgate	RC	uperfund
	ood Ave		Address:				
e ZIP:	Carlsbad, NM 88220		City, State ZIP:			Reporting:Level II DLevel III DST/UST DRRP	
	5456	Email:	_			Deliverables: EDD ADaPT Other:	
Project Name:	DWU Federal #1	Tu	Turn Around		ANALYSIS REQUEST	UEST Preservative Codes	re Codes
Project Number:	225968	マ Routine	Rush	Pres. Code		None: NO	DI Water: H <sub>2</sub> O
Project Location	Eddy Co. NM	Due Date:				Cool: Cool	MeOH: Me
Sampler's Name:	Jordan Tyner	TAT starts th	TAT starts the day received by the	MRO			HNO3: HN
PC #			4	-	)		NACH, NA
SAMPLE RECEIPT	B	Yes No Watte:	Yes No	amel 21B + DF	4500		
Cooler Custody Seeler	Vec No N/A	Onrectine Eacher		EX 8	pride	HOL Na.S.O. NaSO.	
-	No			-	Chi	Zn Acetate+NaOH: Zn	: Zn
$\left  \right $		0 -		801		NaOH+Ascorbic Acid: SAPC	.cid: SAPC
Sample Identification	Date	Time Soil	Water Comp	Cont TPH		Sample Comments	mments
CS-3 (2')	9/14/2022	×	Comp	1 × ×	×		
CS-4 (2')	9/14/2022	×	Comp	1 X X	×		
CS-5 (2')	9/14/2022	×	Comp	1 X X	×		
CS-6 (2')	9/14/2022	×	Comp	1 × ×	×		
CS-7 (2')	9/14/2022	×	Comp	1 X X	×		
CS-8 (2')	9/14/2022	×	Comp	1 X X	×		
CS-9 (2')	9/14/2022	×	Comp	1 X X	×		
CS-10 (2')	9/14/2022	×	Comp				
CS-11 (2')	9/14/2022	×	Comp	1 X X	×		
CS-12 (2')	9/14/2022	×	Comp	1 X X	×		
Additional Comments	ments:						
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. 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 a 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 e	d relinquishment of sam r the cost of samples an 0 will be applied to each	ples constitutes a valid purch d shall not assume any respo project and a charge of \$5 fo	ase order from client co insibility for any losses o r each sample submitted	impany to Xenco, its affil or expenses incurred by I to Xenco, but not analy		It assigns standard terms and conditions re due to circumstances beyond the control nforced unless previously negotlated.	
Relinquished by: (Signature)	re)	Received by: (Signature)	ture)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
· box-z	And	ster ala	At 1	celhilb	530		
3			1		4		



Chain of Custody

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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 contro 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:	Additional Comme Additional Comme Notice: Signature of this document and re of service. Xenco will be liable only for th of Xenco. A minimum charge of \$85.00 w	Additional Comme			CS-18 (2')	CS-17 (2')	CS-16 (2')	CS-15 (2')	CS-14 (2')	CS-13 (2')	Sample Identification	Total Containers:		Cooler Custody Seals: Yes		SAMPLE RECEIPT T	P0 #:			9F:	Project Name: D		e ZIP:			Project Manager: Ethan Sessums	ENVIRONMENTAL
inquishment of sample te cost of samples and ill be applied to each p	linquishment of sample e cost of samples and ill be applied to each p		ints:		9/14/2022	9/14/2022	9/14/2022	9/14/2022	9/14/2022	9/14/2022	Date		NO N/A	No N/A		Temp Blank:		Jordan Tyner	Eddy Co. NM	225968	DWU Federal #1	56	M 88220	Ave	nmental	ums	a A A
INCOCINCU MJ. (Mighte	Received by: (Signa	les constitutes a valid purci shall not assume any resp roject and a charge of \$5 fc			×	×	×	×	×	×	Time Soil	Corrected Temperature:	Temperature Reading:	Correction Eactor.	Thermometer ID:	Yes No Wethce:	lab, if re	TAT starts the	Due Date:	マ Routine	1	Email:					
	(Signature)	hase order from client co onsibility for any losses or each sample submitte			Comp	Comp	Comp	Comp	Comp	Comp	Water Comp	ë.				Yes No	lab, if received by 4:30pm	he day received by the		Rush	Turn Around	uit:	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	
9/11/22	Date	ompany to Xenco. or expenses incu d to Xenco, but no			 ×	-1 -X	-1 ×	1 X	1 X	1 X	# of		B		aran 802	nete	ers			Pres. Code							
3	Date/Time	, its affiliates and rred by the clien ot analyzed. The			××	×	×	××	××	××	TPł	1 80	15M Ch		tO + de 4	-	) + N	IRO)									
	Relinquished by: (Signature)	d subcontractors. It assigns stan It if such losses are due to circum se terms will be enforced unless i																			ANALYSIS REQUEST				Colgate		
+	nature) Received by: (Signature)	<ul> <li>It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.</li> </ul>												но	DLD						REQUEST	Deliverables: EDD ADaP	Reporting:Level II Level III LPS	State of Project:	Program: UST/PST PRP Brownfields RRC	Work Order Comments	Work Order No:
	ure) Date/Time										Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO4: NABIS	H <sub>3</sub> PO <sub>4</sub> : HP	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na	HCL: HC HNO3: HN	Cool: Cool MeOH: Me	None: NO DI Water: H <sub>2</sub> O	Preservative Codes	ADaPT D Other:		)	vnfields RRC Uperfund	Comments	0: Page

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Chain of Custody

Job Number: 890-2963-1 SDG Number: 225968

List Source: Eurofins Carlsbad

# Login Sample Receipt Checklist

Client: NT Global

<6mm (1/4").

#### Login Number: 2963 List Number: 1 Creator: Stutzman, Amanda

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	

N/A

Eurofins Carlsbad Released to Imaging: 2/3/2023 7:47:37 AM

Containers requiring zero headspace have no headspace or bubble is

14

Job Number: 890-2963-1 SDG Number: 225968

List Source: Eurofins Midland

List Creation: 09/16/22 11:00 AM

# Login Sample Receipt Checklist

Client: NT Global

Login Number: 2963 List Number: 2 Creator: Rodriguez, Leticia

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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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Received by OCD: 12/20/2022 12:27:38 PM

----- LINKS

Review your project results through

EOL

Have a Question?

www.eurofinsus.com/Env

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Visit us at:

Ask— The Expert 🛟 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

VRAMER

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.

SDG: 225968

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# **Table of Contents**

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Method Summary	15
Sample Summary	16
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Eurofins Carlsbad 11/1/2022

**Contains Free Liquid** 

Colony Forming Unit Contains No Free Liquid

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Presumptive Quality Control

Limit of Quantitation (DoD/DOE)

**Dilution Factor** 

Duplicate Error Ratio (normalized absolute difference)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

CFL

CFU

CNF

DER Dil Fac

DL

DLC

EDL

LOD

LOQ

MCL

MDA

MDC

MDL

MPN

MQL NC

ND

NEG

POS

PQL PRES

QC RER

RL

RPD

TEF TEQ

TNTC

ML

DL, RA, RE, IN

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3

5

	Definitions/Glossary	
Client: NT Glo	Job ID: 890-3294-	1
Project/Site: [	DWU Fed 1 SDG: 22596	3
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 VO	A	
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	

4

5

#### Job ID: 890-3294-1 SDG: 225968

#### Job ID: 890-3294-1

Project/Site: DWU Fed 1

Client: NT Global

#### 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.

Job ID: 890-3294-1 SDG: 225968

Matrix: Solid

5

Lab Sample ID: 890-3294-1

# Client Sample ID: SW-11 Date Collected: 10/26/22 00:00

Client: NT Global

Project/Site: DWU Fed 1

Date Received: 10/26/22 13:02

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 - 1	Total BTEX Calo	culation							
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
νιετησα: SW846 8015 NM - Diese	el Range Organ	ICS (DRU) (	GC)						
		Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/31/22 13:27	Dil Fac
Analyte Total TPH	Result <49.8	Qualifier U	<b>RL</b> 49.8	MDL		<u> </u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.8	Qualifier U	<b>RL</b> 49.8	MDL	mg/Kg	<u>D</u> 	Prepared Prepared		Dil Fac 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.8	Qualifier U Inics (DRO) Qualifier	RL 49.8		mg/Kg		<u>.</u>	10/31/22 13:27	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8 sel Range Orga Result <49.8	Qualifier U Qualifier Qualifier U	RL           49.8           (GC)           RL           49.8		mg/Kg Unit mg/Kg		Prepared 10/27/22 15:04	Analyzed           10/30/22 02:16	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result Result Result	Qualifier U Qualifier Qualifier U	(GC)		mg/Kg Unit		Prepared	10/31/22 13:27 Analyzed	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 sel Range Orga Result <49.8	Qualifier U Qualifier Qualifier U U	RL           49.8           (GC)           RL           49.8		mg/Kg Unit mg/Kg		Prepared 10/27/22 15:04	Analyzed           10/30/22 02:16	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	Result           <49.8	Qualifier U Qualifier U U U U	RL           49.8           (GC)           RL           49.8           49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/27/22 15:04 10/27/22 15:04	Analyzed           10/30/22 02:16           10/30/22 02:16	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result           <49.8	Qualifier U Qualifier U U U U	RL       49.8       (GC)       RL       49.8       49.8       49.8       49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/27/22 15:04 10/27/22 15:04 10/27/22 15:04	Analyzed           10/30/22 02:16           10/30/22 02:16           10/30/22 02:16	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result           <49.8	Qualifier U Qualifier U U U U	RL         49.8         (GC)         RL         49.8         49.8         49.8         Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/27/22 15:04 10/27/22 15:04 10/27/22 15:04 Prepared	10/31/22         13:27           Analyzed         10/30/22         02:16           10/30/22         02:16         10/30/22         02:16           10/30/22         02:16         10/30/22         02:16	1 Dil Fac 1 1 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result           <49.8	Qualifier U Qualifier U U U Qualifier	RL           49.8           (GC)           RL           49.8           49.8           49.8           49.8           70 - 130           70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/27/22 15:04 10/27/22 15:04 10/27/22 15:04 Prepared 10/27/22 15:04	IO/31/22 13:27           Analyzed           10/30/22 02:16           10/30/22 02:16           10/30/22 02:16           Analyzed           10/30/22 02:16	1 Dil Fac 1 1 1 1 Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions Analyte	Result           <49.8	Qualifier U Qualifier U U U Qualifier	RL           49.8           (GC)           RL           49.8           49.8           49.8           49.8           70 - 130           70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 10/27/22 15:04 10/27/22 15:04 10/27/22 15:04 Prepared 10/27/22 15:04	IO/31/22 13:27           Analyzed           10/30/22 02:16           10/30/22 02:16           10/30/22 02:16           Analyzed           10/30/22 02:16	1 Dil Fac 1 1 1 1 Dil Fac 1

Released to Imaging: 2/3/2023 7:47:37 AM

Job ID: 890-3294-1
SDG: 225968

Prep Type: Total/NA

Prep Type: Total/NA

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
880-20843-A-1-B MS	Matrix Spike	136 S1+	101		
880-20843-A-1-C MSD	Matrix Spike Duplicate	131 S1+	88		6
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		5
MB 880-38264/5-A	Method Blank	81	85		
Surrogate Legend					
BFB = 4-Bromofluorobe	nzene (Surr)				

DFBZ = 1,4-Difluorobenzene (Surr)

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

#### Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ple ID	Client Sample ID	(70-130)	(70-130)	
-A-1-C MS	Matrix Spike	105	175 S1+	
1-A-1-D MSD	Matrix Spike Duplicate	101	169 S1+	
4-1	SW-11	81	84	
88030/2-A	Lab Control Sample	110	113	
30-38030/3-A	Lab Control Sample Dup	104	103	
30-38030/1-A	Method Blank	83	86	

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

# **QC Sample Results**

Project/Site: DWU Fed 1

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

Lab Sample ID: MB 880-3809										lient Sa			
Matrix: Solid											Prep Type		
Analysis Batch: 38214											Prep Bat	ch: 3	38099
		3 MB						_	_				
Analyte	Resu <0.0020		RI		MDL	Unit		D		pared	Analyzed		Dil Fac
Benzene			0.00200			mg/Kg				22 12:40	10/31/22 11:40		1
Toluene	<0.0020		0.00200			mg/Kg				22 12:40	10/31/22 11:40		1
Ethylbenzene	<0.0020		0.00200			mg/Kg				22 12:40	10/31/22 11:40		1
m-Xylene & p-Xylene	<0.0040		0.00400			mg/Kg				22 12:40	10/31/22 11:40		1
o-Xylene	<0.0020		0.00200			mg/Kg				/22 12:40	10/31/22 11:40		1
Xylenes, Total	<0.0040	0 0	0.00400	)		mg/Kg			10/28/	22 12:40	10/31/22 11:40		1
	М	8 <i>MB</i>											
Surrogate	%Recover	y Qualifier	Limits						Pre	epared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	7	9	70 - 130	_					10/28/	/22 12:40	10/31/22 11:40		1
1,4-Difluorobenzene (Surr)	9	0	70 - 130						10/28/	/22 12:40	10/31/22 11:40		1
-													
Lab Sample ID: MB 880-3826	64/5-A								C	lient Sa	mple ID: Meti		
Matrix: Solid											Prep Type		
Analysis Batch: 38214											Prep Bat	ch: 3	38264
		З МВ											
Analyte	Resu				MDL	Unit		D		pared	Analyzed		Dil Fac
Benzene	<0.0020		0.00200			mg/Kg				/22 11:51	11/01/22 01:05		1
Toluene	<0.0020		0.00200			mg/Kg				/22 11:51	11/01/22 01:05		1
Ethylbenzene	<0.0020		0.00200			mg/Kg				22 11:51	11/01/22 01:05		1
m-Xylene & p-Xylene	<0.0040		0.00400			mg/Kg				/22 11:51	11/01/22 01:05		1
o-Xylene	<0.0020		0.00200			mg/Kg				/22 11:51	11/01/22 01:05		1
Xylenes, Total	<0.0040	0 U	0.00400	)		mg/Kg			10/31/	/22 11:51	11/01/22 01:05		1
	M	8 <i>MB</i>											
Surrogate	%Recover	y Qualifier	Limits						Pre	pared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)		1	70 - 130	-					10/31/	/22 11:51	11/01/22 01:05		1
1,4-Difluorobenzene (Surr)	8	5	70 - 130						10/31/	/22 11:51	11/01/22 01:05		1
-													
Lab Sample ID: LCS 880-382	264/1-A							С	lient S	Sample I	D: Lab Contro		
Matrix: Solid											Prep Type		
Analysis Batch: 38214											Prep Bat	ch: 3	38264
			Spike	LCS							%Rec		
Analyte			Added	Result	Qua		Jnit			%Rec	Limits		
Benzene			0.100	0.07847			ng/Kg			78	70 - 130		
Toluene			0.100	0.07661			ng/Kg			77	70 - 130		
Ethylbenzene			0.100	0.07924			ng/Kg			79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1551		r	ng/Kg			78	70 - 130		
o-Xylene			0.100	0.1171		r	ng/Kg			117	70 - 130		
	LCS LC	s											
Surrogate	%Recovery Qu		Limits										
4-Bromofluorobenzene (Surr)	110		70 - 130										
1,4-Difluorobenzene (Surr)	92		70 - 130										
Lab Sample ID: LCSD 880-38	3264/2-A						Clie	ent	Samp	ole ID: La	ab Control Sa		
Matrix: Solid											Prep Type	: Tot	al/NA
Analysis Batch: 38214											Prep Bat	ch: 3	382 <mark>6</mark> 4
			Spike	LCSD	LCS	D					%Rec		RPD
Analyte			Added	Result	Qua	lifier l	Jnit		D	%Rec	Limits R	PD	Limit
Benzene			0.100	0.07096		r	ng/Kg			71	70 - 130	10	35

5

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SDG: 225968

Job ID: 890-3294-1

# **QC Sample Results**

Project/Site: DWU Fed 1

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

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

**Client Sample ID: Matrix Spike** 

**Client Sample ID: Matrix Spike Duplicate** 

Prep Type: Total/NA

Prep Type: Total/NA

# Lab Sample ID: LCSD 880-38264/2-A Matrix: Solid

Spike     LCSD     LCSD     %Rec       Analyte     Added     Result     Qualifier     Unit     D     %Rec       Toluene     0.100     0.07087     mg/Kg     71     70 - 130	tch: 38264	Batch:	Prep								Analysis Batch: 38214
	RPD		%Rec				LCSD	LCSD	Spike		
Toluene 0.100 0.07087 mg/Kg 71 70-130	RPD Limit	RPD	Limits	%Rec	D	Unit	Qualifier	Result	Added	A	Analyte
	8 35	8	70 - 130	71		mg/Kg		0.07087	0.100		Toluene
Ethylbenzene         0.100         0.07485         mg/Kg         75         70 - 130	6 35	6	70 _ 130	75		mg/Kg		0.07485	0.100		Ethylbenzene
m-Xylene & p-Xylene 0.200 0.1355 *- mg/Kg 68 70 - 130	13 35	13	70 - 130	68		mg/Kg	*-	0.1355	0.200		m-Xylene & p-Xylene
o-Xylene 0.100 0.07486 *1 mg/Kg 75 70 - 130	44 35	44	70 - 130	75		mg/Kg	*1	0.07486	0.100		o-Xylene

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

#### Lab Sample ID: 880-20843-A-1-B MS Matrix: Solid

#### Analysis Batch: 38214

Analysis Batch: 38214									Prep	Batch: 38264
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

	MS	MS	
Surrogate	%Recovery	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 Matrix: Solid

# Analysis Batch: 38214

Analysis Batch: 38214									Prep	Batch:	38264
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130								

#### 1,4-Difluorobenzene (Surr)

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

88

Lab Sample ID: MB 880-38030/1-A Matrix: Solid Analysis Batch: 38135	мв	МВ					Client Sa	mple ID: Metho Prep Type: ⊺ Prep Batch	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/27/22 15:04	10/29/22 21:37	1
(GRO)-C6-C10									

70 - 130

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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 <b>-A</b>									(	Client Sa	mple ID: I		
Matrix: Solid												Prep T	ype: T	otal/N/
Analysis Batch: 38135												Prep	Batch	: 3803(
		MB N	ИВ											
Analyte	Re	esult (	Qualifier	RL		MDL	Unit		D	Pr	epared	Analyz	ed	Dil Fa
Diesel Range Organics (Over	<	:50.0 L	J	50.0	)		mg/Kg	9		10/27	/22 15:04	10/29/22 2	21:37	
C10-C28)														
Oll Range Organics (Over C28-C36)	<	:50.0 L	J	50.0	)		mg/Kg	9		10/27	/22 15:04	10/29/22 2	21:37	
		MB N	ИВ											
Surrogate	%Reco	very (	Qualifier	Limits						Pr	epared	Analyz	ed	Dil Fa
1-Chlorooctane		83		70 - 130	-					10/27	7/22 15:04	10/29/22 2	21:37	
o-Terphenyl		86		70 - 130					÷	10/27	7/22 15:04	10/29/22	21:37	
Lab Sample ID: LCS 880-38030	0/2-A								Cli	ent	Sample	ID: Lab Co		
Matrix: Solid												Prep T		
Analysis Batch: 38135													Batch	: 3803
				Spike		LCS				_		%Rec		
Analyte				Added	Result	Qua	lifier	Unit		D	%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		
	LCS	LCS												
Surrogate		Qualif	ïer	Limits										
1-Chlorooctane	110			70 - 130										
o-Terphenyl	113			70 - 130										
Matrix: Solid Analysis Batch: 38135				0.11			_							: <mark>3803</mark>
				Spike	LCSD					_	~ =	%Rec		RP
Analyte				Added	Result	Qua	lifier	Unit		D	%Rec	Limits		
Gasoline Range Organics 'GRO)-C6-C10				1000	811.4			mg/Kg			81	70 - 130	1	2
Diesel Range Organics (Over				1000	945.5			mg/Kg			95	70 - 130	8	2
C10-C28)														
	LCSD	LCSD												
Surrogate	%Recovery	Qualif	ïer	Limits										
1-Chlorooctane	104			70 - 130										
o-Terphenyl	103			70 - 130										
Lab Sample ID: 890-3291-A-1-(	C MS										Client	Sample ID:	Motri	v Cnile
Lab Sample ID: 890-3291-A-1-0 Matrix: Solid											Gilent 8	Sample ID: Prep T		
														0tal/N
Analysis Batch: 38135	Sample	Samul	0	Spiko	ме	MS						%Rec	Batch	. 3003
Analyte	Sample Result	-		Spike Added	Result		lifior	Unit		D	%Pec	%Rec Limits		
Analyte Gasoline Range Organics	321	Quaim		998	1085	Qual		mg/Kg		<u> </u>	%Rec	70 - 130		
(GRO)-C6-C10 Diesel Range Organics (Over	5750			998	6103	4		mg/Kg			35	70 - 130		
C10-C28)														
	MS	MS												
Surrogate	%Recovery	Qualif	ïer	Limits										
1-Chlorooctane	105			70 - 130										

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175 S1+

o-Terphenyl

70 - 130

Client: NT Global

Project/Site: DWU Fed 1

# **QC Sample Results**

Job ID: 890-3294-1 SDG: 225968

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

The second s	1-D MSD						Clien	t Sa	imple ID	D: Matrix S	pike Dup	Dicate
Matrix: Solid										Prep 1	Type: To	tal/N/
Analysis Batch: 38135										Prep	Batch:	3803
	Sample	Sample	Spike	MS	MSD					%Rec		RPD
Analyte	Result	Qualifier	Added	Resu	t Quali	fier Unit		D	%Rec	Limits	RPD	Limi
Gasoline Range Organics	321		998	105	4	mg/Kg		_	74	70 - 130	3	2
(GRO)-C6-C10												
Diesel Range Organics (Over	5750		998	587	24	mg/Kg			12	70 - 130	4	2
C10-C28)												
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	101		70 - 130									
o-Terphenyl	169	S1+	70 - 130									
lethod: 300.0 - Anions, I	lon Chromat	ography										
Lab Sample ID: MB 880-3801	10/1-A								Client S	Sample ID:	Method	Blan
Matrix: Solid											Type: S	
Analysis Batch: 38167												
-		MB MB										
Analyte	R	esult Qualifier		RL	MDL	Unit	D	Pr	repared	Analyz	zed	Dil Fa
Chloride	<	<5.00 U		5.00		mg/Kg				10/30/22	12:38	
Lab Sample ID: LCS 880-380	)10/2-A						Cli	ient	Sample	D: Lab C		
Matrix: Solid										Prep	Type: S	olubl
Analysis Batch: 38167												
Analysis Batom coror												
-			Spike		S LCS					%Rec		
Analyte			Added	Resu	t Quali			D	%Rec	Limits		
-			-		t Quali	fier <u>Unit</u> mg/Kg		<u>D</u>	<b>%Rec</b> 107			
Analyte Chloride			Added	Resu	t Quali	mg/Kg			107	Limits 90 - 110		e Du
Analyte	 8010/3-A		Added	Resu	t Quali	mg/Kg	lient S		107	Limits 90 - 110 Lab Contro		
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid			Added	Resu	t Quali	mg/Kg	ient S		107	Limits 90 - 110 Lab Contro	ol Sampl Type: S	
Analyte Chloride Lab Sample ID: LCSD 880-38	 8010/3-A		Added	<b>Resu</b> 267.	t Quali	mg/Kg	ient S		107	Limits 90 - 110 Lab Contro		
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid	 8010/3-A		Added 250	Resu 267. LCS	t Quali	mg/Kg	ient S		107	Limits 90 - 110 Lab Contro Prep		oluble RPI
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167	 8010/3-A		Added 250 Spike	Resu 267. LCS	t Quali D LCSD	mg/Kg	ient \$	_ Sam	107	Limits 90 - 110 Lab Contro Prep %Rec	Type: S	oluble RPI
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride			Added 250 Spike Added	Resu 267. LCS Resu	t Quali D LCSD	mg/Kg Cl	ient S	_ Sam	107 <b>ple ID: I</b> <u>%Rec</u> 107	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110	Type: So	oluble RPI Limi 20
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A			Added 250 Spike Added	Resu 267. LCS Resu	t Quali D LCSD	mg/Kg Cl	ient S	_ Sam	107 <b>ple ID: I</b> <u>%Rec</u> 107	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	Type: So <u>RPD</u> 0 : Matrix	oluble RPI Limi 20 Spike
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid			Added 250 Spike Added	Resu 267. LCS Resu	t Quali D LCSD	mg/Kg Cl	ient S	_ Sam	107 <b>ple ID: I</b> <u>%Rec</u> 107	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	Type: So	oluble RPI Limi 20 Spike
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A			Added 250 Spike Added 250	Resu 267. LCS Resu 268.	t Quali D LCSD t Quali	mg/Kg Cl	ient S	_ Sam	107 <b>ple ID: I</b> <u>%Rec</u> 107	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep	Type: So <u>RPD</u> 0 : Matrix	oluble RPI Limi 20 Spike
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid Analysis Batch: 38167	- <b>1-B MS</b> Sample		Added 250 Spike Added 250 Spike	Resu 267. LCS Resu 268.	t Quali D LCSD t Quali 4 S MS	fier Unit mg/Kg	lient S	D	107 ple ID: I %Rec 107 Client	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec	Type: So <u>RPD</u> 0 : Matrix	oluble RPI Limi 20 Spike
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid Analysis Batch: 38167 Analyte	-1-B MS Sample Result	Sample Qualifier	Added 250 Spike Added 250 Spike Added	Resu 267. LCS Resu 268. M. Resu	t Quali D LCSD t Quali S MS t Quali	fier Unit		_ Sam	107 ple ID: I %Rec 107 Client	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits	Type: So <u>RPD</u> 0 : Matrix	oluble RPI Limi 20 Spike
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid Analysis Batch: 38167 Analyte	- <b>1-B MS</b> Sample	-	Added 250 Spike Added 250 Spike	Resu 267. LCS Resu 268.	t Quali D LCSD t Quali S MS t Quali	fier Unit mg/Kg	ient \$	D	107 ple ID: I %Rec 107 Client	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec	Type: So <u>RPD</u> 0 : Matrix	oluble RPI Limi 20 Spike
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid Analysis Batch: 38167 Analyte Chloride	-1-B MS Sample Result 402	-	Added 250 Spike Added 250 Spike Added	Resu 267. LCS Resu 268. M. Resu	t Quali D LCSD t Quali S MS t Quali	fier Unit fier Unit mg/Kg		D D	107 ple ID: I %Rec 107 Client %Rec 94	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	Type: So <u>RPD</u> 0 •: Matrix Type: So	olubi RPI Lim 2 Spike olubi
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A	-1-B MS Sample Result 402	-	Added 250 Spike Added 250 Spike Added	Resu 267. LCS Resu 268. M. Resu	t Quali D LCSD t Quali S MS t Quali	fier Unit fier Unit mg/Kg		D D	107 ple ID: I %Rec 107 Client %Rec 94	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 D: Matrix Sp	Type: So <u>RPD</u> 0 • Matrix Type: So pike Dup	olubl RPI Lim 2 Spike olubl
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid	-1-B MS Sample Result 402	-	Added 250 Spike Added 250 Spike Added	Resu 267. LCS Resu 268. M. Resu	t Quali D LCSD t Quali S MS t Quali	fier Unit fier Unit mg/Kg		D D	107 ple ID: I %Rec 107 Client %Rec 94	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 D: Matrix Sp	Type: So <u>RPD</u> 0 •: Matrix Type: So	oluble RPI Limi 20 Spike oluble
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A	-1-B MS Sample <u>Result</u> 402	-	Added 250 Spike Added 250 Spike Added	Resu           267.           LCSI           Resu           268.           M:           Resu           633.	t Quali D LCSD t Quali S MS t Quali	fier Unit fier Unit mg/Kg		D D	107 ple ID: I %Rec 107 Client %Rec 94	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 D: Matrix Sp	Type: So <u>RPD</u> 0 • Matrix Type: So pike Dup	oluble RPE Limi 20 Spike oluble
Analyte Chloride Lab Sample ID: LCSD 880-38 Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid Analysis Batch: 38167 Analyte Chloride Lab Sample ID: 880-20768-A Matrix: Solid	-1-B MS Sample Result 402 -1-C MSD Sample	Qualifier	Added 250 Spike Added 250 Spike Added 248	Resu 267. LCSI Resu 268. MSI	t Quali D LCSD t Quali A Quali	fier Unit fier Unit mg/Kg		D D	107 ple ID: I %Rec 107 Client %Rec 94	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 D: Matrix Sp Prep	Type: So <u>RPD</u> 0 • Matrix Type: So pike Dup	oluble RPI Limi 20 Spike oluble

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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	
nalysis 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
rep Batch: 38264					
Lab Sample ID 890-3294-1	Client Sample ID SW-11	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-38264/5-A	Method Blank	Total/NA Total/NA	Solid Solid	5035	
LCS 880-38264/1-A	Lab Control Sample		Solid	5035	
LCSD 880-38264/2-A 880-20843-A-1-B MS	Lab Control Sample Dup	Total/NA Total/NA	Solid	5035 5035	
	Matrix Spike				
880-20843-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
nalysis Batch: 38340					
		Prep Type	Matrix	Method	Prep Batch
Lab Sample ID	Client Sample ID	Fieh ishe			

#### 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	

Client: NT Global Project/Site: DWU Fed 1

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38010

38010

Job ID: 890-3294-1 SDG: 225968

# HPLC/IC

#### Leach Batch: 38010

880-20768-A-1-B MS

880-20768-A-1-C MSD

Matrix Spike Duplicate

Matrix Spike

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	5
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					8
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 1 0
LCSD 880-38010/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38010

Soluble

Soluble

Solid

Solid

300.0

300.0

Eurofins Carlsbad

Released to Imaging: 2/3/2023 7:47:37 AM

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7 8 9

#### Job ID: 890-3294-1 SDG: 225968

Lab Sample ID: 890-3294-1

#### **Client Sample ID: SW-11** Date Collected: 10/26/22 00:00 Da

Client: NT Global

Project/Site: DWU Fed 1

	1: 10/26/22 00:0 : 10/26/22 13:0	-								Matrix: Solid
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38167	10/30/22 15:51	СН	EET MID

#### Laboratory References:

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

Eurofins Carlsbad

			,, j		
Client: NT Global				Job ID: 890-3294-1	
Project/Site: DWU Fed	1			SDG: 225968	
Laboratory: Eurofi	ns Midland				
Unless otherwise noted, all a	nalytes for this laboratory	were covered under each acc	reditation/certification below.		
Authority		Program	Identification Number	Expiration Date	
Texas		NELAP	T104704400-22-24	06-30-23	
The following analytes a	are included in this report,	but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which	5
the agency does not off	fer certification.				
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					4.0
					13

.

# **Method Summary**

Client: NT Global Project/Site: DWU Fed 1 Job ID: 890-3294-1 SDG: 225968

lethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal BTEX	Total BTEX Calculation	TAL SOP	EET MID
015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
00.0	Anions, Ion Chromatography	MCAWW	EET MID
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
I Leach	Deionized Water Leaching Procedure	ASTM	EET MID

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

Eurofins Carlsbad

# **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

.

Job Number: 890-3294-1 SDG Number: 225968

List Source: Eurofins Carlsbad

# Login Sample Receipt Checklist

Client: NT Global

# Login Number: 3294 List Number: 1

Creator: Clifton, Cloe

Question	Answer	Comment	6
The cooler's custody seal, if present, is intact.	True		
Sample custody seals, if present, are intact.	True		7
The cooler or samples do not appear to have been compromised or tampered with.	True		8
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		9
Cooler Temperature is recorded.	True		40
COC is present.	True		10
COC is filled out in ink and legible.	True		11
COC is filled out with all pertinent information.	True		
Is the Field Sampler's name present on COC?	True		12
There are no discrepancies between the containers received and the COC.	True		
Samples are received within Holding Time (excluding tests with immediate HTs)	True		13
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		

Job Number: 890-3294-1 SDG Number: 225968

List Source: Eurofins Midland

# Login Sample Receipt Checklist

Client: NT Global

Login Number: 3294 List Number: 2 Creator: Rodriguez, Leticia

Login Number: 3294			List Source: Eurotins Midland	_
List Number: 2			List Creation: 10/27/22 10:25 AM	5
Creator: Rodriguez, Leticia				
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			8
Samples were received on ice.	True			
Cooler Temperature is acceptable.	True			9
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			13
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	N/A			

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
COLGATE OPERATING, LLC	371449
300 North Marienfeld Street	Action Number:
Midland, TX 79701	168932
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

#### CONDITIONS

Created I		Condition Date
amaxw	II None	2/3/2023

Action 168932

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